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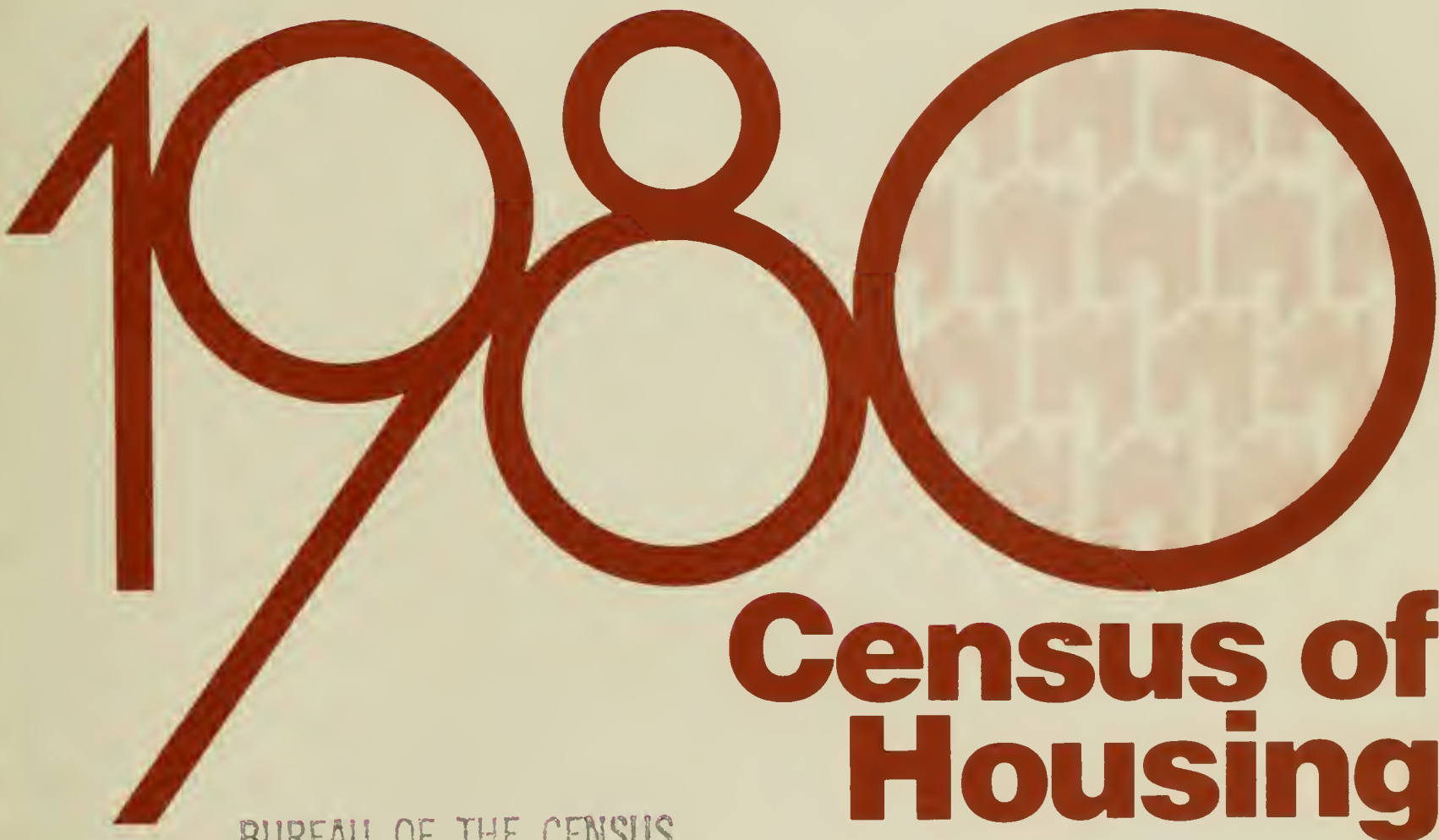
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# Metropolitan Housing Characteristics

**CEDAR RAPIDS, IOWA**

STANDARD METROPOLITAN STATISTICAL AREA



# 1980 Census of Housing

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# 1980

## Census of Housing

VOLUME 2

# Metropolitan Housing Characteristics

**CEDAR RAPIDS, IOWA**

HC80-2-112

Issued October 1983



U.S. Department of Commerce  
Malcolm Baldrige, Secretary  
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BUREAU OF THE CENSUS  
C. L. Kincannon, Acting Director

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**BUREAU OF THE CENSUS**  
C. L. Kincannon, Acting Director

**HOUSING DIVISION**  
Arthur F. Young, Chief

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2	Alabama	42	South Carolina	78	Atlantic City, N.J.	115	Charleston, W. Va.
3	Alaska	43	South Dakota	79	Augusta, Ga.-S.C.		
4	Arizona	44	Tennessee	80	Austin, Tex.	116	Charlotte-Gastonia, N.C.
5	Arkansas	45	Texas	81	Bakersfield, Calif.	117	Charlottesville, Va.
6	California	46	Utah	82	Baltimore, Md.	118	Chattanooga, Tenn.-Ga.
7	Colorado	47	Vermont	83	Bangor, Maine	119	Chicago, Ill.
8	Connecticut	48	Virginia	84	Baton Rouge, La.		
9	Delaware	49	Washington	85	Battle Creek, Mich.	120	Chico, Calif.
10	Not assigned	50	West Virginia	86	Bay City, Mich.	121	Cincinnati, Ohio-Ky.-Ind.
11	Florida	51	Wisconsin	87	Beaumont-Port Arthur-Orange, Tex.	122	Clarksville-Hopkinsville, Tenn.-Ky.
12	Georgia	52	Wyoming	88	Bellingham, Wash.	123	Cleveland, Ohio
13	Hawaii	53	Puerto Rico	89	Benton Harbor, Mich.	124	Colorado Springs, Colo.
14	Idaho	54	Not assigned	90	Billings, Mont.	125	Columbia, Mo.
15	Illinois	55	Not assigned	91	Biloxi-Gulfport, Miss.	126	Columbia, S.C.
16	Indiana	56	Not assigned	92	Binghamton, N.Y.-Pa.	127	Columbus, Ga.-Ala.
17	Iowa	57	Not assigned	93	Birmingham, Ala.	128	Columbus, Ohio
18	Kansas	58	Abilene, Tex.	94	Bismarck, N. Dak.	129	Corpus Christi, Tex.
19	Kentucky	59	Akron, Ohio	95	Bloomington, Ind.	130	Cumberland, Md.-W. Va.
20	Louisiana	60	Albany, Ga.	96	Bloomington-Normal, Ill.	131	Dallas-Fort Worth, Tex.
21	Maine	61	Albany-Schenectady-Troy, N.Y.	97	Boise City, Idaho	132	Danbury, Conn.
22	Maryland	62	Albuquerque, N. Mex.	98	Boston, Mass.	133	Danville, Va.
23	Massachusetts	63	Alexandria, La.	99	Bradenton, Fla.	134	Davenport-Rock Island-Moline, Iowa-Ill.
24	Michigan	64	Allentown-Bethlehem-Easton, Pa.-N.J.	100	Bremerton, Wash.	135	Dayton, Ohio
25	Minnesota	65	Altoona, Pa.	101	Bridgeport, Conn.		
26	Mississippi	66	Amarillo, Tex.	102	Bristol, Conn.	136	Daytona Beach, Fla.
27	Missouri	67	Anaheim-Santa Ana-Garden Grove, Calif.	103	Brockton, Mass.	137	Decatur, Ill.
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29	Nebraska	69	Anderson, Ind.	105	Bryan-College Station, Tex.	139	Des Moines, Iowa
30	Nevada	70	Anderson, S.C.	106	Buffalo, N.Y.	140	Detroit, Mich.
31	New Hampshire	71	Ann Arbor, Mich.	107	Burlington, N.C.	141	Dubuque, Iowa
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33	New Mexico	73	Appleton-Oshkosh, Wis.	109	Caguas, P.R.	143	Eau Claire, Wis.
34	New York	74	Arecibo, P.R.	110	Canton, Ohio	144	El Paso, Tex.
35	North Carolina	75	Asheville, N.C.	111	Casper, Wyo.	145	Elkhart, Ind.
36	North Dakota	76	Athens, Ga.	112	Cedar Rapids, Iowa		
37	Ohio			113	Champaign-Urbana-Rantoul, Ill.	146	Elmira, N.Y.
38	Oklahoma					147	Enid, Okla.
39	Oregon						
40	Pennsylvania						



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149	Eugene-Springfield, Oreg.	188	Iowa City, Iowa	228	Lowell, Mass.-N.H.		
150	Evansville, Ind.-Ky.	189	Jackson, Mich.	229	Lubbock, Tex.		
		190	Jackson, Miss.	230	Lynchburg, Va.	266	Northeast Pennsylvania
151	Fall River, Mass.-R.I.					267	Norwalk, Conn.
152	Fargo-Moorhead, N. Dak.- Minn.	191	Jacksonville, Fla.	231	Macon, Ga.	268	Ocala, Fla.
153	Fayetteville, N.C.	192	Jacksonville, N.C.	232	Madison, Wis.	269	Odessa, Tex.
154	Fayetteville-Springdale, Ark.	193	Janesville-Beloit, Wis.	233	Manchester, N.H.	270	Oklahoma City, Okla.
155	Fitchburg-Leominster, Mass.	194	Jersey City, N.J.	234	Mansfield, Ohio		
		195	Johnson City-Kingsport- Bristol, Tenn.-Va.	235	Mayagüez, P.R.	271	Olympia, Wash.
156	Flint, Mich.	196	Johnstown, Pa.	236	McAllen-Pharr-Edinburg, Tex.	272	Omaha, Nebr.-Iowa
157	Florence, Ala.	197	Joplin, Mo.	237	Medford, Oreg.	273	Orlando, Fla.
158	Florence, S.C.	198	Kalamazoo-Portage, Mich.	238	Melbourne-Titusville- Cocoa, Fla.	274	Owensboro, Ky.
159	Fort Collins, Colo.	199	Kankakee, Ill.			275	Oxnard-Simi Valley- Ventura, Calif.
160	Fort Lauderdale-Hollywood, Fla.	200	Kansas City, Mo.-Kans.	239	Memphis, Tenn.-Ark.- Miss.	276	Panama City, Fla.
		201	Kenosha, Wis.	240	Meriden, Conn.	277	Parkersburg-Marietta, W. Va.-Ohio
161	Fort Myers-Cape Coral, Fla.	202	Killeen-Temple, Tex.			278	Pascagoula-Moss Point, Miss.
162	Fort Smith, Ark.-Okla.	203	Knoxville, Tenn.	241	Miami, Fla.	279	Paterson-Clifton-Passaic, N.J.
163	Fort Walton Beach, Fla.	204	Kokomo, Ind.	242	Midland, Tex.	280	Pensacola, Fla.
164	Fort Wayne, Ind.	205	La Crosse, Wis.	243	Milwaukee, Wis.		
165	Fresno, Calif.			244	Minneapolis-St. Paul, Minn.-Wis.	281	Peoria, Ill.
166	Gadsden, Ala.	206	Lafayette, La.	245	Mobile, Ala.	282	Petersburg-Colonial Heights-Hopewell, Va.
167	Gainesville, Fla.	207	Lafayette-West Lafayette, Ind.			283	Philadelphia, Pa.-N.J.
168	Galveston-Texas City, Tex.	208	Lake Charles, La.	246	Modesto, Calif.	284	Phoenix, Ariz.
169	Gary-Hammond-East Chicago, Ind.	209	Lakeland-Winter Haven, Fla.	247	Monroe, La.	285	Pine Bluff, Ark.
170	Glens Falls, N.Y.	210	Lancaster, Pa.	248	Montgomery, Ala.		
				249	Muncie, Ind.	286	Pittsburgh, Pa.
171	Grand Forks, N.Dak.- Minn.	211	Lansing-East Lansing, Mich.	250	Muskegon-Norton Shores- Muskegon Heights, Mich.	287	Pittsfield, Mass.
172	Grand Rapids, Mich.	212	Laredo, Tex.			288	Ponce, P.R.
173	Great Falls, Mont.	213	Las Cruces, N. Mex.	251	Nashua, N.H.	289	Portland, Maine
174	Greeley, Colo.	214	Las Vegas, Nev.	252	Nashville-Davidson, Tenn.	290	Portland, Oreg.-Wash.
175	Green Bay, Wis.	215	Lawrence, Kans.	253	Nassau-Suffolk, N.Y.		
				254	New Bedford, Mass.	291	Portsmouth-Dover- Rochester, N.H.-Maine
176	Greensboro-Winston-Salem- High Point, N.C.	216	Lawrence-Haverhill, Mass.-N.H.	255	New Britain, Conn.	292	Poughkeepsie, N.Y.
177	Greenville-Spartanburg, S.C.	217	Lawton, Okla.	256	New Brunswick-Perth Amboy-Sayreville, N.J.	293	Providence-Warwick- Pawtucket, R.I.-Mass.
178	Hagerstown, Md.	218	Lewiston-Auburn, Maine	257	New Haven-West Haven, Conn.	294	Provo-Orem, Utah
179	Hamilton-Middletown, Ohio	219	Lexington-Fayette, Ky.	258	New London-Norwich, Conn.-R.I.	295	Pueblo, Colo.
180	Harrisburg, Pa.	220	Lima, Ohio	259	New Orleans, La.		
		221	Lincoln, Nebr.	260	New York, N.Y.-N.J.	296	Racine, Wis.
181	Hartford, Conn.	222	Little Rock-North Little Rock, Ark.			297	Raleigh-Durham, N.C.
182	Hickory, N.C.	223	Long Branch-Asbury Park, N.J.	261	Newark, N.J.	298	Reading, Pa.
183	Honolulu, Hawaii	224	Longview-Marshall, Tex.	262	Newark, Ohio	299	Redding, Calif.
184	Houston, Tex.	225	Lorain-Elyria, Ohio	263	Newburgh-Middletown, N.Y.	300	Rebo, Nev.
185	Huntington-Ashland, W. Va.-Ky.-Ohio			264	Newport News-Hampton, Va.	301	Richland-Kennewick- Pasco, Wash.
		226	Los Angeles-Long Beach, Calif.			302	Richmond, Va.
186	Huntsville, Ala.					303	Riverside-San Bernardino- Ontario, Calif.



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305	Rochester, Minn.	324	Santa Barbara-Santa Maria-Lompoc, Calif.	344	Steubenville-Weirton, Ohio-W. Va.	363	Visalia-Tulare-Porterville, Calif.
306	Rochester, N.Y.	325	Santa Cruz, Calif.	345	Stockton, Calif.	364	Waco, Tex.
307	Rockford, Ill.					365	Washington, D.C.-Md.-Va.
308	Rock Hill, S.C.	326	Santa Rosa, Calif.	346	Syracuse, N.Y.	366	Waterbury, Conn.
309	Sacramento, Calif.	327	Sarasota, Fla.	347	Tacoma, Wash.	367	Waterloo-Cedar Falls, Iowa
310	Saginaw, Mich.	328	Savannah, Ga.	348	Tallahassee, Fla.	368	Wausau, Wis.
		329	Seattle-Everett, Wash.	349	Tampa-St. Petersburg, Fla.	369	West Palm Beach-Boca Raton, Fla.
311	St. Cloud, Minn.	330	Sharon, Pa.	350	Terre Haute, Ind.	370	Wheeling, W. Va.-Ohio
312	St. Joseph, Mo.						
313	St. Louis, Mo.-Ill.	331	Sheboygan, Wis.	351	Texarkana, Tex.-Texarkana, Ark.	371	Wichita, Kans.
314	Salem, Oreg.	332	Sherman-Denison, Tex.	352	Toledo, Ohio-Mich.	372	Wichita Falls, Tex.
315	Salinas-Seaside-Monterey, Calif.	333	Shreveport, La.	353	Topeka, Kans.	373	Williamsport, Pa.
		334	Sioux City, Iowa-Nebr.	354	Trenton, N.J.	374	Wilmington, Del.-N.J.-Md.
		335	Sioux Falls, S. Dak.	355	Tucson, Ariz.	375	Wilmington, N.C.
316	Salisbury-Concord, N.C.	336	South Bend, Ind.				
317	Salt Lake City-Ogden, Utah	337	Spokane, Wash.	356	Tulsa, Okla.	376	Worcester, Mass.
318	San Angelo, Tex.	338	Springfield, Ill.	357	Tuscaloosa, Ala.	377	Yakima, Wash.
319	San Antonio, Tex.	339	Springfield, Mo.	358	Tyler, Tex.	378	York, Pa.
320	San Diego, Calif.	340	Springfield, Ohio	359	Utica-Rome, N.Y.	379	Youngstown-Warren, Ohio
				360	Vallejo-Fairfield-Napa, Calif.	380	Yuba City, Calif.
321	San Francisco-Oakland, Calif.	341	Springfield-Chicopee-Holyoke, Mass.-Conn.				
322	San Jose, Calif.	342	Stamford, Conn.	361	Victoria, Tex.		



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## Introduction

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### GENERAL

This report is part of the *Metropolitan Housing Characteristics* series and presents cross-tabulations of sample data on housing and household characteristics from the 1980 Census of Population and Housing. Legal provision for this census, which was conducted as of April 1, 1980, was made in the Act of Congress of August 31, 1954 (amended August 1957, December 1975, and October 1976), which codified Title 13, United States Code.

The content and procedures of the 1980 census were determined after evaluation of the results of the 1970 census, consultation with a wide variety of users of census data, and extensive field testing. A number of changes were introduced in 1980 to improve the usefulness of the census results. The changes do not, however, affect to any appreciable extent the comparability between the 1980 data and the 1970 data. Further information on comparability appears in Appendix B, "Definitions and Explanations of Subject Characteristics."

More detailed information on the technical and procedural matters covered in the text of this report can be obtained by writing to the Director, Bureau of the Census, Washington, D.C. 20233. Such information will also appear in other publications of the 1980 census.

The *Metropolitan Housing Characteristics* series consists of a United States

Summary report and individual reports for each of the 50 States, Puerto Rico, and each of the standard metropolitan statistical areas (SMSA's) in the United States and Puerto Rico. The abbreviated identification for this report is HC80-2 (i.e., Housing Census, 1980, Volume 2) followed by a number representing the State or SMSA.

In the SMSA reports, data are published for the following levels of geography: the SMSA, each central city, and each place of 50,000 or more population. In the State reports, data are shown for the State, that part of the State inside SMSA's, and inside central cities. In the United States Summary report, data are published for the United States total, inside SMSA's, and inside central cities, and for the four census regions, the region total, inside SMSA's, and inside central cities.

### CONTENTS OF THE REPORT

This report contains text (this introduction and six appendixes), a table of contents, one or more maps, and a series of detailed tables. The detailed tables are organized to provide a set of 68 tables for each geographic area (State, SMSA, central city, etc.) covered in the report. As shown in the "Index of Tables" on page IX, the set of tables for each geographic area is identified with a unique letter (A, B, C, etc.) prefix in the table number. In the SMSA reports, the SMSA is presented first, followed by the sets of tables for the central cities and places, all in alphabetical order.

For each particular area, the 68 tables consist of: 13 tables for the area in its entirety, 44 tables for occupied housing units classified by the racial group of the householder, and 11 tables for occupied housing units with householders of Spanish origin. More specifically, tables

1 to 13 are for the entire State, SMSA, central city, or place; tables 14 to 24 are for housing units with a White householder; tables 25 to 35 are for units with a Black householder; tables 36 to 46 are for units with an American Indian, Eskimo, or Aleut householder; tables 47 to 57 are for units with an Asian or Pacific Islander householder; and tables 58 to 68 are for units with a Spanish origin householder.

The race and Spanish origin tables are presented for SMSA's and places only when certain population-size criteria are met. Tables 25 to 35 (Black); 36 to 46 (American Indian, Eskimo, and Aleut); and 47 to 57 (Asian and Pacific Islander) are presented only when the particular area's population contains 10,000 or more persons of the given racial group or when the persons in the given racial groups constitute 10 percent or more of the total population of the particular area. If any of these 3 sets of tables qualify to appear for an area, tables 14 to 24 (White) are also presented. The Spanish origin tables (58 to 68) are shown if there are 10,000 or more Spanish origin persons in the particular area or if such persons constitute 10 percent or more of the total population of the particular area.

Appearing last in the report are the appendixes. Appendix A describes the various area classifications (e.g., standard metropolitan statistical area, census designated place). Appendix B provides definitions and explanations for the subjects covered in this report. Appendix C briefly explains the residence rules used in counting the population and describes the data collection and processing procedures. Appendix D presents information on the sources of error in the data and on editing procedures. Appendix E contains facsimiles of the 1980 census questionnaire pages and respondent instructions. Appendix F summarizes the data dissemination program of the 1980 census.



### DERIVED FIGURES (Means, Medians, and Percents)

This report presents means, medians, and percents, as well as certain rates and ratios. The median—a type of average—is the middle value in a distribution; i.e., the median divides the distribution into two equal parts: one-half of the cases are below the median and one-half of the cases are above the median. Percents and other derived measures which round to less than 0.1 are not shown but are indicated as zero (i.e., “—”).

Medians for rooms are rounded to the nearest tenth; for age, to the nearest year; for persons, to the nearest hundredth; for value, to the nearest hundred dollars; and for income, selected monthly owner costs, contract and gross rent, to the nearest dollar. In computing medians for rooms and persons per housing unit, the whole number is used as the midpoint of the interval so that, for example, the category “3 rooms” is treated as an interval ranging from 2.5 to 3.5 rooms. In computing median rent, units reported as “no cash rent” are excluded. The median is computed on the basis of the distribution as tabulated, which is sometimes more detailed than the distribution shown in this report. For example, median age is based on a distribution of five year intervals from 15 to 85 years. When the median falls in the lower terminal category of an open-ended distribution, the method of presentation is to show the initial value of the next category followed by a minus sign; thus, for example, if the median falls in the category “Less than \$10,000,” it is shown as “\$10,000—.” When the median falls in the upper terminal category of an open-

ended distribution, the initial value of the terminal category is given followed by a plus sign; thus, for example, if the median falls in the category “\$150,000 or more,” it is shown as “\$150,000+.”

### SYMBOLS AND GEOGRAPHIC ABBREVIATIONS

The following symbols and geographic abbreviations are used in the tables:

- A dash “—” represents zero or a percent which rounds to less than 0.1.
- Three dots “. . .” mean not applicable, or that the data are being withheld to avoid disclosure of information for individual housing units. (For further information on disclosure, see the section below on “Suppression of Data for Confidentiality.”)
- CDP is census designated place.
- SMSA is standard metropolitan statistical area.

### SUPPRESSION OF DATA FOR CONFIDENTIALITY

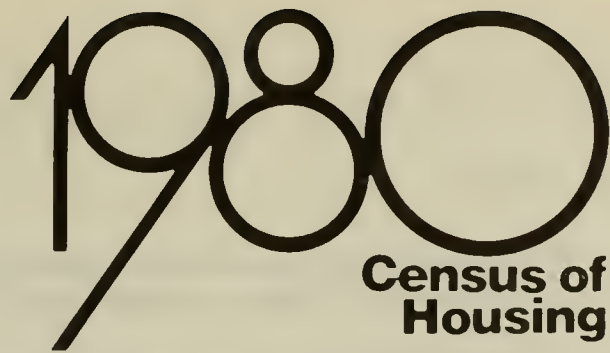
To maintain the confidentiality promised respondents and required by law, the Census Bureau takes precautions that its published data do not disclose information about specific individuals and housing units. To accomplish this, the Bureau suppresses data for characteristics which are based on a small number of persons and/or housing units in the geographic area. Under certain conditions, both primary and complementary suppression, as defined below, may take place.

The general rules of primary suppression of sample data are as follows: esti-

mates of total population by race and Spanish origin are never suppressed; other characteristics for persons are shown only if there are 30 or more persons in the geographic area; estimates of total housing units, vacant housing units, year-round housing units, and occupied housing units are never suppressed; characteristics of year-round housing units which are not classified by occupancy status are shown only when there are 10 or more year-round housing units in the geographic area; characteristics of families, households, or occupied housing units are shown only if there are at least 10 occupied housing units within the geographic area; and distributions of data for owners or renters are shown only where the number of owners is at least 10 and the number of renters is also at least 10. These primary suppression criteria are applied independently of one another. The comparable figures for complete count (100-percent) data are 15 or more persons and 5 or more housing units of the specified type.

Population and occupied housing unit characteristics cross-classified by race or Spanish origin (of the householder in the case of occupied housing units) are subject to an additional level of examination. This requires that the 30 person or 10 housing unit criterion stated above be applied individually to each race or Spanish origin category.

Finally, complementary suppression is applied to prevent the derivation of primary suppressed data by subtraction. For example, housing unit data shown by tenure may require complementary suppression when the number of owner-occupied or renter-occupied housing units is less than 10.



# Metropolitan Housing Characteristics

## CEDAR RAPIDS, IOWA

STANDARD METROPOLITAN STATISTICAL AREA

HC80-2-112

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<b>Arrangement of Tables</b>		Page
<p>This report presents a set of tables for the SMSA, each central city, and each place of 50,000 inhabitants or more. The report is organized to provide a set of 68 tables for each geographic area. There are 11 tables showing data for all households in the area, 2 tables showing data for vacant units, 11 tables for householders of each of four separate race groups, and 11 tables for householders of Spanish origin. The race/Spanish origin tables are, however, shown only when certain population criteria are met. See page VII of the Introduction for further information. To assist the reader in using this report, the listings are presented as follows:</p>		
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		Total	White	Black	American Indian, Eskimo, and Aleut	Asian and Pacific Islander	Spanish Origin
		Pages	Pages	Pages	Pages	Pages	Pages
SMSA total . . . . .	A	1 to 12	—	—	—	—	—
Cedar Rapids . . . . .	B	13 to 24	—	—	—	—	—



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(Tables 14 to 24 for the White population are shown if any of the other three racial groups in the area qualify; tables 25 to 35 are shown if an area has 10,000 or more or 10 percent Black population; tables 36 to 46 are shown if an area has 10,000 or more or 10 percent American Indian, Eskimo, and Aleut population; tables 47 to 57 are shown if an area has 10,000 or more or 10 percent Asian and Pacific Islander population; and tables 58 to 68 are shown if an area has 10,000 or more or 10 percent Spanish origin population)

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**Table Finding Guide—** Cross-Classification of Subjects by Table Number

Subject	Value	Gross rent	Income and poverty status in 1979 of owner-occupied housing units	Income and poverty status in 1979 of renter-occupied housing units	Selected monthly owner costs for mortgaged housing units	Selected monthly owner costs for not mortgaged housing units
<b>OCCUPANCY CHARACTERISTICS</b>						
Condominium . . . . .	—	—	—	—	—	—
Year moved into unit. . . . .	1	2	3	4	5	6
<b>UTILIZATION CHARACTERISTICS</b>						
Rooms . . . . .	1	2	—	—	5	6
Persons in unit. . . . .	—	—	—	—	5	6
Bedrooms . . . . .	1	2	—	—	—	—
Median rooms . . . . .	1	2	3	4	5	6
<b>STRUCTURAL CHARACTERISTICS</b>						
Units in structure . . . . .	—	2	—	—	—	—
Year structure built. . . . .	1	2	—	—	5	6
Stories in structure . . . . .	—	2	—	—	—	—
<b>PLUMBING CHARACTERISTICS</b>						
Plumbing facilities . . . . .	1	2	3	4	—	—
<b>EQUIPMENT AND FUELS</b>						
Heating equipment . . . . .	1	2	3	4	5	6
Air conditioning. . . . .	1	2	3	4	5	6
Vehicles available . . . . .	—	—	3	4	—	—
House heating fuel . . . . .	—	—	3	4	5	6
Water heating fuel. . . . .	—	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>						
Value . . . . .	—	—	—	—	5	6
Price asked. . . . .	—	—	—	—	—	—
Mortgage status and selected monthly owner costs . . . . .	—	—	3	—	—	—
Selected monthly owner costs as percentage of household income. . . . .	—	—	—	—	5	6
Contract rent . . . . .	—	—	—	4	—	—
Gross rent . . . . .	—	—	—	4	—	—
Rent asked. . . . .	—	—	—	—	—	—
Gross rent as percentage of household income. . . . .	—	2	—	4	—	—
Mortgage status and selected monthly owner costs as percentage of household income. . . . .	1	—	3	—	—	—
<b>HOUSEHOLD CHARACTERISTICS</b>						
Household type by age of householder . . . . .	1	2	3	4	5	6
Income . . . . .	1	—	—	—	—	—
Income below poverty level . . . . .	1	2	—	—	—	—
The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.						
White . . . . .	14	15	16	17	18	19
Black . . . . .	25	26	27	28	29	30
American Indian, Eskimo, and Aleut . . . . .	36	37	38	39	40	41
Asian and Pacific Islander . . . . .	47	48	49	50	51	52
Spanish origin . . . . .	58	59	60	61	62	63

**Table Finding Guide—Cross-Classification of Subjects by Table Number**

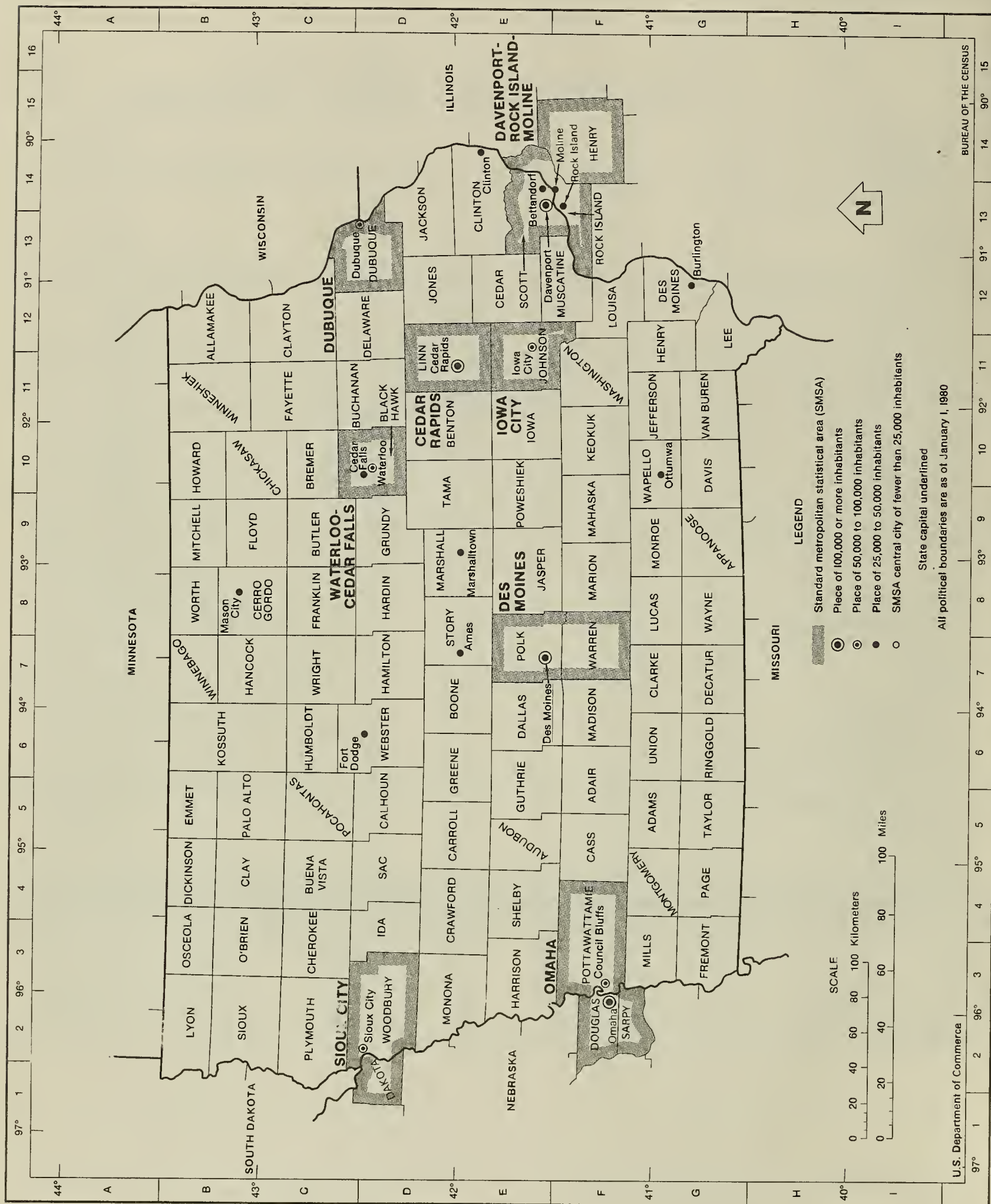
Subject	Year structure built	Units in structure	Size of household (persons)	Household composition by age of householder	Age and sex of householder in one-person households	Duration of vacancy	Price asked and rent asked
<b>OCCUPANCY CHARACTERISTICS</b>							
Condominium . . . . .	—	8	—	—	—	—	—
Year moved into unit . . . . .	7	8	—	—	—	—	—
<b>UTILIZATION CHARACTERISTICS</b>							
Rooms . . . . .	7	8	9	—	—	12	—
Persons in unit . . . . .	7	—	—	10	—	—	—
Bedrooms . . . . .	—	8	—	—	—	12	13
Median rooms . . . . .	7	8	9	—	—	12	—
<b>STRUCTURAL CHARACTERISTICS</b>							
Units in structure . . . . .	7	—	9	—	11	12	13
Year structure built . . . . .	—	—	—	—	—	12	13
Stories in structure . . . . .	—	—	—	—	—	—	—
<b>PLUMBING CHARACTERISTICS</b>							
Plumbing facilities . . . . .	7	8	9	10	11	12	13
<b>EQUIPMENT AND FUELS</b>							
Heating equipment . . . . .	7	8	—	—	—	12	—
Air conditioning . . . . .	7	8	—	—	—	—	—
Vehicles available . . . . .	—	8	—	—	—	—	—
House heating fuel . . . . .	7	8	—	—	—	—	—
Water heating fuel . . . . .	—	8	—	—	—	—	—
<b>FINANCIAL CHARACTERISTICS</b>							
Value . . . . .	—	—	9	—	—	—	—
Price asked . . . . .	—	—	—	—	—	12	—
Mortgage status and selected monthly owner costs . . . . .	—	—	—	—	11	—	—
Selected monthly owner costs as percentage of household income . . . . .	—	—	9	—	11	—	—
Contract rent . . . . .	—	—	—	—	—	—	—
Gross rent . . . . .	—	—	9	—	11	—	—
Rent asked . . . . .	—	—	—	—	—	12	—
Gross rent as percentage of household income . . . . .	—	—	9	10	11	—	—
Mortgage status and selected monthly owner costs as percentage of household income . . . . .	—	—	—	10	—	—	—
<b>HOUSEHOLD CHARACTERISTICS</b>							
Household type by age of householder . . . . .	7	8	—	—	—	—	—
Income . . . . .	7	8	9	—	11	—	—
Income below poverty level . . . . .	7	8	9	—	11	—	—

The table numbers listed above show data for all households. Similar data are shown in the tables listed below when there are 10,000 or more persons of the race or Spanish origin group, or if the group comprises 10 percent of the area population. For further explanation, see the Introduction on page VII.

White . . . . .	20	21	22	23	24	—	—
Black . . . . .	31	32	33	34	35	—	—
American Indian, Eskimo, and Aleut . . . . .	42	43	44	45	46	—	—
Asian and Pacific Islander . . . . .	53	54	55	56	57	—	—
Spanish origin . . . . .	64	65	66	67	68	—	—



# Standard Metropolitan Statistical Areas, Counties, and Selected Places



#### CORRECTION NOTE

Any corrections to the 1980 census counts of the total population and total housing units made after this report was printed are available by writing to Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

#### NOTE TO USERS:

The "Not computed" line for Mortgage Status and Selected Monthly Owner Costs as Percentage of Household Income in 1979 for not mortgaged units includes households with zero or negative income and households reporting no housing costs; that is, not mortgaged units with no utility, fuel, tax, or insurance payments required. Households with no Selected Monthly Owner Costs are normally excluded from the "Not computed" category.





Table A-1. Value of Owner-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

The SMSA	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units	36 882	280	2 014	4 527	6 564	7 737	6 618	5 796	1 942	1 101	303	46 600	50 100
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	28 405	104	1 084	2 592	4 620	6 147	5 579	5 198	1 801	1 015	265	49 400	53 400
15 to 24 years	930	15	16	107	251	250	164	114	13	—	—	43 300	43 900
25 to 34 years	7 141	14	120	449	935	1 852	1 786	1 428	357	182	18	50 800	53 700
35 to 44 years	6 507	11	86	411	769	1 229	1 423	1 571	595	325	87	54 400	59 800
45 to 64 years	10 293	24	469	927	1 750	2 201	1 777	1 814	775	439	117	48 900	53 900
65 years and over	3 534	40	393	698	915	615	429	271	61	69	43	37 200	42 000
Male householder, no wife present	2 591	65	249	477	570	536	396	189	43	32	34	38 800	42 000
15 to 24 years	209	13	5	29	58	68	28	8	—	—	—	39 900	38 500
25 to 34 years	820	—	18	134	184	194	186	73	13	15	3	44 300	45 600
35 to 44 years	355	4	10	46	72	96	64	46	13	4	—	45 200	46 000
45 to 64 years	530	21	87	88	92	88	71	32	11	13	27	37 700	46 300
65 years and over	677	27	129	180	164	90	47	30	6	—	4	30 100	33 300
Female householder, no husband present	5 886	111	681	1 458	1 374	1 054	643	409	98	54	4	34 700	37 700
15 to 24 years	86	—	8	4	45	15	9	5	—	—	—	33 900	37 300
25 to 34 years	650	—	38	122	214	126	104	40	6	—	—	38 200	39 700
35 to 44 years	702	—	18	106	147	194	110	85	26	12	4	44 400	47 100
45 to 64 years	1 632	22	159	352	407	295	190	167	27	13	—	35 800	39 400
65 years and over	2 816	89	458	874	561	424	230	112	39	29	—	29 800	34 000
Median age	46.6	66.5	64.3	58.4	51.3	44.0	41.1	42.2	44.0	45.4	48.5	...	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	4 345	28	39	277	563	865	875	1 099	347	208	44	54 000	58 700
1975 to 1978	9 975	48	271	797	1 490	2 010	2 108	1 982	749	444	76	51 400	55 500
1970 to 1974	6 151	51	363	739	1 011	1 388	1 103	923	337	160	76	46 800	50 300
1960 to 1969	8 775	44	416	1 011	1 548	2 033	1 700	1 328	404	229	62	46 500	49 600
1959 or earlier	7 636	109	925	1 703	1 952	1 441	832	464	105	60	45	35 500	38 500
<b>ROOMS</b>													
1 to 3 rooms	466	54	139	118	77	43	—	26	—	9	—	22 000	27 200
4 rooms	3 623	90	560	1 035	1 168	472	180	80	14	17	7	30 900	32 000
5 rooms	10 046	77	647	1 631	2 415	2 652	1 672	748	168	31	5	40 900	41 300
6 rooms	9 226	48	343	1 048	1 722	2 480	1 912	1 379	170	124	—	46 200	46 900
7 rooms	6 469	9	203	496	796	1 215	1 488	1 555	509	168	30	52 800	55 400
8 or more rooms	7 052	2	122	199	386	875	1 366	2 008	1 081	752	261	64 300	72 700
Median	6.0	4.5	5.0	5.2	5.3	5.8	6.3	6.9	7.7	8.1	8.5+	...	...
<b>BEDROOMS</b>													
None	36	7	15	—	—	7	—	7	—	—	—	17 500	30 700
1	1 032	85	250	298	231	80	31	42	—	15	—	25 100	28 400
2	8 650	116	1 011	2 262	2 479	1 417	806	387	113	52	7	33 500	35 900
3	19 769	62	544	1 624	3 174	5 059	4 318	3 674	888	367	59	48 900	51 100
4	6 281	5	161	311	622	1 038	1 210	1 492	793	519	130	57 600	64 800
5 or more	1 114	5	33	32	58	136	253	194	148	148	107	63 300	80 000
<b>YEAR STRUCTURE BUILT</b>													
1975 to March 1980	3 796	5	6	66	94	315	645	1 521	638	430	76	70 900	75 100
1970 to 1974	2 525	—	17	44	213	581	770	504	263	112	21	53 600	60 200
1960 to 1969	8 944	42	90	325	681	2 306	2 610	2 089	485	277	39	53 100	56 400
1950 to 1959	8 335	21	218	924	2 196	2 402	1 344	849	195	122	64	43 200	46 700
1940 to 1949	2 907	43	245	618	777	589	371	180	40	13	31	37 100	39 900
1939 or earlier	10 375	169	1 438	2 550	2 603	1 544	878	653	321	147	72	33 600	38 600
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000	2 040	98	421	610	338	245	173	124	18	13	—	27 400	32 200
\$5,000 to \$9,999	3 246	66	555	955	801	497	202	121	31	18	—	30 500	32 900
\$10,000 to \$12,499	1 718	23	116	391	507	326	196	107	41	7	4	36 700	39 000
\$12,500 to \$14,999	1 995	25	202	395	559	353	313	104	33	11	—	35 900	38 500
\$15,000 to \$19,999	5 012	39	255	791	1 190	1 230	881	465	84	62	15	41 800	43 500
\$20,000 to \$24,999	6 252	13	190	571	1 205	1 523	1 457	1 009	178	106	—	47 900	49 000
\$25,000 to \$34,999	10 047	14	216	618	1 414	2 571	2 174	2 200	654	160	26	50 700	53 200
\$35,000 to \$49,999	4 649	2	50	128	473	854	987	1 206	588	322	39	57 700	63 100
\$50,000 or more	1 923	—	9	68	77	138	235	460	315	402	219	79 100	92 600
Median	\$23 495	\$7 188	\$10 668	\$14 446	\$19 520	\$23 935	\$25 320	\$28 983	\$33 846	\$41 216	\$74 205	...	...
Mean	\$25 311	\$9 640	\$13 423	\$16 467	\$20 263	\$24 087	\$26 499	\$30 903	\$37 531	\$49 582	\$92 052	...	...
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
With a mortgage	24 901	74	638	2 136	3 886	5 597	5 106	4 749	1 622	888	205	50 200	54 100
Less than 15 percent	8 371	30	199	799	1 382	2 049	1 639	1 428	462	270	113	48 800	53 200
15 to 19 percent	5 721	19	190	403	837	1 360	1 286	1 120	296	168	42	50 300	53 600
20 to 24 percent	4 378	2	59	300	708	1 062	818	867	396	147	19	50 600	55 300
25 to 29 percent	2 684	—	57	239	389	471	583	614	233	93	5	52 300	55 300
30 to 34 percent	1 333	3	19	104	232	236	327	240	92	77	3	51 800	55 800
35 percent or more	2 336	18	107	279	311	410	438	474	143	133	23	50 800	54 800
Not computed	78	2	7	12	27	9	15	6	—	—	—	34 500	39 200
Median	18.5	16.6	18.1	18.3	18.3	17.7	18.5	19.2	20.7	20.2	14.0	...	...
Not mortgaged	11 981	206	1 376	2 391	2 678	2 140	1 512	1 047	320	213	98	37 500	41 700
Less than 10 percent	5 111	66	418	674	1 129	1 052	786	581	195	148	62	42 300	47 200
10 to 14 percent	2 475	17	272	408	581	466	347	258	59	50	17	39 000	42 800
15 to 19 percent	1 470	9	180	429	379	235	130	62	30	6	10	33 200	37 000
20 to 24 percent	902	29	171	278	161	143	58	40	17	—	5	27 800	33 500
25 to 29 percent	628	11	71	184	174	98	47	33	6	—	4	32 900	35 500
30 to 34 percent	350	22	67	122	66	33	19	21	—	—	—	26 400	29 700
35 percent or more	959	41	174	283	182	102	112	46	13	6	—	29 100	33 200
Not computed	86	11	23	13	6	11	13	6	—	3	—	24 200	33 100
Median	11.7	20.9	14.8	16.2	11.8	10.1	10—	10—	10—	10—	10—	...	...
<b>SELECTED CHARACTERISTICS</b>													
Complete plumbing for exclusive use	36 733	255	1 948	4 489	6 564	7 737	6 618	5 776	1 942	1 101	303	46 600	50 200
1 01 or more persons per room	548	11	36	119	129	98	82	47	13	13	—	37 200	41 100
Lacking complete plumbing for exclusive use	149	25	66	38	—	—	—	20	—	—	—	18 100	23 300
1 01 or more persons per room	5	—	—	—	—	—	—	—	—	—	—	10000—	7 500
Heating equipment	36 882	280	2 014	4 527	6 564	7 737	6 618	5 796	1 942	1 101	303	46 600	50 100
Central heating system	35 757	180	1 735	4 262	6 416	7 626	6 527	5 692	1 917	1 099	303	47 000	50 600
Air conditioning	27 288	78	1 035	2 645	4 435	5 687	5 382	4 981	1 758	1 017	270	49 600	53 500
Central system	15 935	7	146	651	1 468	3 064	3 740	4 197	1 517	929	216	56 300	62 200
Income in 1979 below poverty level	1 478	74	264	404	236	193	155	109	18	25	—	29 900	34 900
Percent below poverty level	4.0	26.4	13.1	8.9	3.6	2.5	2.3	1.9	0.9	2.3	—	...	...

Table A—2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## The SMSA

	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
Specified renter-occupied housing units	16 882	952	1 084	2 559	3 743	3 383	2 336	1 200	878	278	469	248
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families	5 038	70	168	405	872	1 175	992	571	428	157	200	289
15 to 24 years	1 289	7	14	113	222	430	294	132	60	—	17	285
25 to 34 years	1 946	5	20	122	354	456	418	266	198	63	44	299
35 to 44 years	526	—	17	41	87	126	60	66	79	38	12	292
45 to 64 years	808	39	30	86	120	109	170	72	76	24	82	292
65 years and over	469	19	87	43	89	54	50	35	15	32	45	236
Male householder, no wife present	4 828	240	282	835	1 220	833	753	292	214	52	107	242
15 to 24 years	1 730	11	100	279	530	349	253	115	72	13	8	246
25 to 34 years	1 630	15	80	224	434	326	313	121	81	13	23	259
35 to 44 years	415	27	21	72	68	77	59	39	35	11	6	266
45 to 64 years	653	103	41	162	124	66	95	17	21	6	18	206
65 years and over	400	84	40	98	64	15	33	—	5	9	52	175
Female householder, no husband present	7 016	642	634	1 319	1 651	1 375	591	337	236	69	162	225
15 to 24 years	1 833	68	141	363	552	460	138	55	46	10	—	233
25 to 34 years	1 753	24	79	278	495	422	202	136	63	31	23	249
35 to 44 years	594	15	35	136	92	112	91	55	32	12	14	256
45 to 64 years	1 136	107	115	218	236	209	124	27	52	5	43	224
65 years and over	1 700	428	264	324	276	172	36	64	43	11	82	166
Median age	30.5	67.2	50.2	33.0	28.3	28.2	29.0	29.4	31.6	36.8	60.0	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980	9 070	319	408	1 208	1 869	1 995	1 467	860	628	219	97	268
1975 to 1978	5 153	369	338	781	1 311	990	678	285	221	55	125	240
1970 to 1974	1 607	179	187	368	353	265	91	48	12	4	100	203
1960 to 1969	682	52	95	125	143	110	77	7	17	—	56	217
1959 or earlier	370	33	56	77	67	23	23	—	—	—	91	176
<b>ROOMS</b>												
1 room	556	208	159	119	57	7	6	—	—	—	—	118
2 rooms	1 523	279	206	348	467	129	42	31	7	3	11	188
3 rooms	4 155	312	399	998	1 271	662	295	97	38	21	62	213
4 rooms	5 486	115	173	673	1 168	1 512	1 011	432	224	49	129	270
5 rooms	2 637	33	110	260	504	597	580	246	186	30	91	281
6 rooms	1 459	—	31	69	193	296	261	270	220	61	58	321
7 or more rooms	1 066	5	6	92	83	180	141	124	203	114	118	338
Median	3.9	2.5	2.9	3.3	3.6	4.1	4.3	4.7	5.4	6.1	4.9	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979</b>												
All income levels in 1979	16 882	952	1 084	2 559	3 743	3 383	2 336	1 200	878	278	469	248
Complete plumbing for exclusive use	16 347	777	989	2 469	3 675	3 335	2 325	1 177	871	267	462	250
0.50 or less	11 207	567	679	1 811	2 692	2 282	1 492	704	472	149	359	244
0.51 to 1.00	4 874	207	303	631	922	996	810	438	376	97	94	265
1.01 to 1.50	229	—	—	15	61	53	17	35	23	16	9	286
1.51 or more	37	3	7	12	—	4	6	—	—	5	—	164
Lacking complete plumbing for exclusive use	535	175	95	90	68	48	11	23	7	11	7	135
0.50 or less	262	59	50	42	53	22	7	8	7	11	3	169
0.51 to 1.00	261	116	45	42	15	20	4	15	—	—	4	109
1.01 to 1.50	6	—	—	—	—	6	—	—	—	—	—	263
1.51 or more	6	—	—	6	—	—	—	—	—	—	—	185
Income in 1979 below poverty level	2 563	464	264	456	494	387	284	103	39	19	53	206
Complete plumbing for exclusive use	2 393	397	248	415	475	374	273	103	39	19	50	211
1.01 or more persons per room	79	3	—	3	31	—	18	8	11	5	—	307
Lacking complete plumbing for exclusive use	170	67	16	41	19	13	11	—	—	—	3	150
1.01 or more persons per room	6	—	—	6	—	—	—	—	—	—	—	185
<b>BEDROOMS</b>												
None	971	357	262	255	79	7	11	—	—	—	—	127
1	6 385	506	586	1 621	2 101	925	378	127	53	10	78	210
2	6 869	84	172	501	1 281	1 921	1 539	709	381	96	185	284
3	2 103	—	53	120	226	457	339	338	337	93	140	319
4	479	5	11	57	56	61	63	23	84	70	49	320
5 or more	75	—	—	5	—	12	6	3	23	9	17	413
<b>UNITS IN STRUCTURE</b>												
1, detached or attached	4 342	68	146	439	708	745	783	407	522	179	345	293
2	1 739	36	162	426	451	293	204	115	40	—	12	225
3 and 4	2 230	214	243	652	439	474	101	68	17	—	22	199
5 to 9	2 413	120	192	495	618	456	282	156	83	3	8	230
10 to 49	4 750	304	161	378	1 152	1 216	873	397	160	56	53	264
50 or more	1 270	210	144	146	333	180	93	49	51	40	24	222
Mobile home or trailer, etc.	138	—	36	23	42	19	—	8	5	—	5	214
<b>YEAR STRUCTURE BUILT</b>												
1975 to March 1980	3 144	220	100	105	512	849	629	364	232	91	42	288
1970 to 1974	2 050	112	92	112	453	536	390	183	98	55	19	270
1960 to 1969	3 426	162	51	294	1 027	793	541	230	154	73	101	258
1950 to 1959	1 844	46	85	322	439	308	239	156	151	29	69	249
1940 to 1949	1 615	36	137	402	342	229	175	135	111	10	38	230
1939 or earlier	4 803	376	619	1 324	970	668	362	132	132	20	200	199
<b>STORIES IN STRUCTURE</b>												
1 to 3	16 135	802	962	2 408	3 659	3 315	2 276	1 167	836	250	460	250
4 or more	747	150	122	151	84	68	60	33	42	28	9	184
With elevator	566	130	97	96	50	52	43	19	42	28	9	182
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>												
Less than 15 percent	2 951	218	232	575	715	580	352	167	77	35	...	232
15 to 19 percent	3 020	79	212	415	653	789	466	216	160	30	...	260
20 to 24 percent	2 982	241	182	362	659	662	431	230	147	68	...	254
25 to 29 percent	1 997	216	115	256	437	346	287	173	140	27	...	247
30 to 34 percent	1 147	48	64	172	225	237	172	111	83	35	...	264
35 to 49 percent	1 810	77	140	354	373	238	323	153	126	26	...	245
50 percent or more	2 321	61	130	381	627	501	289	143	138	51	...	247
Not computed	654	12	9	44	54	30	16	7	7	6	469	224
Median	23.6	23.6	22.6	23.7	23.6	22.3	24.0	24.6	26.8	25.6	...	...
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment	16 873	952	1 084	2 559	3 743	3 378	2 336	1 200	874	278	469	248
Central heating system	16 093	897	989	2 380	3 568	3 280	2 260	1 183	833	278	425	250
Air conditioning	10 822	503	469	1 031	2 471	2 636	1 690	892	591	246	293	265
Central system	4 926	125	132	151	761	1 304	1 103	623	410	183	134	297



Table A—3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
Owner-occupied housing units	44 025	2 648	4 066	2 315	2 551	6 004	7 314	11 379	5 424	2 324	22 897	24 938	2 037
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	33 031	594	1 707	1 279	1 519	4 284	6 152	10 381	5 021	2 094	25 748	28 185	745
15 to 24 years	1 263	15	52	40	91	296	392	333	38	6	21 838	21 527	29
25 to 34 years	8 019	71	113	207	315	1 466	2 061	2 830	729	227	24 481	25 739	138
35 to 44 years	7 328	106	82	122	165	706	1 276	2 902	1 450	519	28 712	30 781	165
45 to 64 years	12 081	161	427	285	380	1 197	1 952	3 937	2 573	1 169	28 871	32 394	229
65 years and over	4 340	241	1 033	625	568	619	471	379	231	173	13 693	18 542	184
Male householder, no wife present	3 605	307	494	285	332	695	615	554	218	105	18 050	19 353	211
15 to 24 years	381	10	29	36	61	75	81	70	17	2	18 398	19 343	7
25 to 34 years	1 063	39	25	70	104	285	275	184	62	19	20 141	21 366	66
35 to 44 years	498	24	24	35	39	70	106	140	44	16	21 781	23 308	24
45 to 64 years	799	64	96	72	89	139	114	93	75	57	18 532	21 814	59
65 years and over	864	170	320	72	39	126	39	67	20	11	8 314	12 324	55
Female householder, no husband present	7 389	1 747	1 865	751	700	1 025	547	444	185	125	10 275	13 151	1 081
15 to 24 years	193	39	51	20	19	29	16	16	3	—	10 812	12 251	49
25 to 34 years	858	88	134	100	135	238	51	71	24	17	14 481	15 754	125
35 to 44 years	856	78	103	127	100	222	120	63	26	17	15 385	16 303	106
45 to 64 years	2 107	248	419	301	226	396	240	182	69	26	13 446	15 365	177
65 years and over	3 375	1 294	1 158	203	220	140	120	112	63	65	6 258	10 359	624
Median age	46.9	71.2	68.4	59.0	52.6	39.8	39.8	41.9	46.7	49.3	...	...	59.2
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	5 537	145	300	312	285	1 124	1 086	1 484	576	225	22 625	24 881	170
1975 to 1978	12 293	291	579	505	728	1 881	2 370	3 844	1 385	710	24 550	26 418	409
1970 to 1974	7 328	353	626	338	334	1 071	1 224	1 922	1 036	424	23 558	26 258	365
1960 to 1969	9 789	555	835	453	512	976	1 512	2 643	1 667	636	25 181	27 306	402
1959 or earlier	9 078	1 304	1 726	707	692	952	1 122	1 486	760	329	15 551	19 351	691
<b>SELECTED CHARACTERISTICS</b>													
Complete plumbing for exclusive use	43 753	2 545	4 006	2 302	2 525	5 981	7 290	11 371	5 416	2 317	22 976	25 027	1 943
1.01 or more persons per room	663	18	42	12	26	48	155	248	80	34	26 030	28 228	49
Locking complete plumbing for exclusive use	272	103	60	13	26	23	24	8	8	7	7 012	10 741	94
1.01 or more persons per room	5	—	—	—	—	5	—	—	—	—	16 250	15 010	—
Heating equipment	44 018	2 648	4 059	2 315	2 551	6 004	7 314	11 379	5 424	2 324	22 899	24 941	2 037
Central heating system	42 464	2 272	3 787	2 208	2 425	5 793	7 146	11 193	5 318	2 322	23 211	25 308	1 741
Air conditioning	31 770	1 325	2 543	1 678	1 671	3 981	5 199	8 776	4 534	2 063	24 487	26 758	950
Central system	18 420	440	907	730	732	2 029	2 932	5 628	3 339	1 683	27 173	30 447	339
Vehicles available	41 889	1 702	3 287	2 196	2 454	5 928	7 262	11 345	5 415	2 300	23 618	25 815	1 534
1	11 833	1 176	2 275	1 260	1 198	2 134	1 738	1 475	367	210	15 016	17 134	891
2 or more	30 056	526	1 012	936	1 256	3 794	5 524	9 870	5 048	2 090	26 625	29 233	643
House heating fuel	44 018	2 648	4 059	2 315	2 551	6 004	7 314	11 379	5 424	2 324	22 899	24 941	2 037
Utility gas	37 126	2 028	3 400	1 922	2 174	5 177	6 237	9 667	4 526	1 995	23 016	25 206	1 521
Bottled, tank, or LP gas	3 008	242	264	203	120	370	476	770	415	148	22 318	23 999	221
Electricity	1 395	78	102	42	49	163	237	388	225	111	25 417	27 431	57
Fuel oil, kerosene, etc.	2 039	228	263	132	150	226	302	482	186	70	20 311	20 964	177
Other	450	72	30	16	58	68	62	72	72	—	17 402	19 722	61
Median rooms	5.9	5.1	5.0	5.2	5.3	5.6	5.9	6.2	6.7	7.3	...	...	5.3
Specified owner-occupied housing units	36 882	2 040	3 246	1 718	1 995	5 012	6 252	10 047	4 649	1 923	23 495	25 311	1 478
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>													
With a mortgage	24 901	523	874	736	1 070	3 707	4 819	8 158	3 689	1 325	25 704	27 753	681
Less than \$200	1 045	124	167	92	132	182	157	108	76	7	15 184	16 846	101
\$200 to \$249	2 685	74	149	172	182	384	589	830	279	26	23 310	23 451	76
\$250 to \$299	3 962	81	182	125	191	703	856	1 186	516	122	23 944	25 163	114
\$300 to \$349	3 914	60	165	125	199	710	724	1 237	588	106	24 620	25 926	111
\$350 to \$399	3 068	54	59	38	144	569	629	1 070	406	99	25 144	26 298	74
\$400 to \$499	4 868	94	86	105	112	732	985	1 879	689	186	26 214	27 595	122
\$500 to \$599	2 640	20	42	50	62	243	576	1 053	406	188	27 247	29 852	51
\$600 to \$749	1 764	6	17	17	36	155	244	621	408	260	30 579	36 776	15
\$750 or more	955	10	7	12	12	29	59	174	321	331	35 068	53 025	17
Median	\$364	\$289	\$283	\$292	\$308	\$341	\$357	\$384	\$397	\$562	...	...	\$322
Not mortgaged	11 981	1 517	2 372	982	925	1 305	1 433	1 889	960	598	15 677	20 234	797
Less than \$50	41	32	9	—	—	—	—	—	—	—	2500—	2 369	32
\$50 to \$74	404	178	123	19	26	28	8	15	7	—	5 882	8 547	80
\$75 to \$99	1 228	368	435	108	86	87	47	78	19	—	7 253	10 026	162
\$100 to \$124	2 532	411	690	245	197	340	247	288	47	67	11 684	15 635	192
\$125 to \$149	2 765	224	599	251	278	309	393	483	169	59	15 365	18 616	133
\$150 to \$199	3 284	211	404	283	252	428	546	588	417	155	20 519	22 446	124
\$200 to \$249	993	63	79	49	62	67	147	296	140	90	26 135	28 123	44
\$250 or more	734	30	33	27	24	46	45	141	161	227	35 974	46 137	30
Median	\$141	\$111	\$122	\$137	\$139	\$141	\$152	\$157	\$179	\$210	...	...	\$116
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
With a mortgage	24 901	523	874	736	1 070	3 707	4 819	8 158	3 689	1 325	25 704	27 753	681
Less than 15 percent	8 371	—	7	18	48	282	1 145	3 364	2 439	1 068	32 664	37 464	7
15 to 19 percent	5 721	—	17	34	151	818	1 317	2 521	696	167	26 496	27 821	—
20 to 24 percent	4 378	13	39	137	235	924	1 149	1 473	328	80	23 644	24 711	6
25 to 29 percent	2 684	—	78	148	259	779	723	155	537	5	20 512	21 283	12
30 to 34 percent	1 333	—	110	130	110	474	315	162	32	—	18 107	18 570	13
35 percent or more	2 336	434	621	269	267	430	170	101	39	5	11 050	12 130	567
Not computed	78	76	2	—	—	—	—	—	—	—	2500—	—1 222	76
Median	18.5	50+	43.4	31.2	26.9	24.1	19.8	16.4	12.8	10.3	...	...	50+
Not mortgaged	11 981	1 517	2 372	982	925	1 305	1 433	1 889	960	598	15 677	20 234	797
Less than 10 percent	5 111	7	42	75	169	597	1 028	1 672	923	598	28 443	33 554	7
10 to 14 percent	2 475	—	309	434	513	606	374	202	37	—	14 910	16 230	7
15 to 19 percent	1 470	89	719	351	213	63	25	10	—	—	9 598	10 079	28
20 to 24 percent	902	150	623	72	13	33	6	5	—	—	6 835	7 504	37
25 to 29 percent	628	195	387	31	15	—	—	—	—	—	6 008	6 224	54
30 to 34 percent	350	212	119	13	—	6	—	—	—	—	4 564	5 173	55
35 percent or more	959	778	173	6	2	—	—	—	—	—	3 641	3 704	523
Not computed	86	86	—	—	—	—	—	—	—	—	2500—	—1 046	86
Median	11.7	37.5	20.9	14.8	12.9	10.5	10—	10—	10—	10—	...	...	47.2



Table A —4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
Renter-occupied housing units	17 745	3 051	3 505	2 205	1 603	3 106	2 049	1 601	481	144	12 674	14 352	2 658
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families	5 654	260	792	538	513	1 263	1 141	882	203	62	17 518	18 478	351
15 to 24 years	1 366	78	147	155	166	382	298	129	11	—	16 946	16 767	96
25 to 34 years	2 171	75	256	178	186	560	516	335	57	8	18 091	18 592	134
35 to 44 years	629	31	28	42	47	132	149	153	28	19	21 120	21 622	40
45 to 64 years	948	47	165	81	38	122	157	218	88	32	20 691	21 373	60
65 years and over	540	29	196	82	76	67	21	47	19	3	11 372	13 601	21
Male householder, no wife present	4 991	670	779	713	441	1 017	634	492	178	67	14 391	15 702	544
15 to 24 years	1 768	243	374	316	143	345	153	111	78	5	12 112	14 054	240
25 to 34 years	1 716	138	156	253	169	487	287	160	55	11	16 096	16 808	135
35 to 44 years	422	8	38	63	31	73	90	78	22	19	19 853	20 887	8
45 to 64 years	677	111	97	42	52	100	97	132	23	23	16 496	17 905	79
65 years and over	408	170	114	39	46	12	7	11	—	9	6 164	9 172	82
Female householder, no husband present	7 100	2 121	1 934	954	649	826	274	227	100	15	8 754	10 119	1 763
15 to 24 years	1 833	556	488	312	123	164	72	91	27	—	8 828	9 983	597
25 to 34 years	1 788	255	493	299	206	302	108	74	44	7	11 221	12 675	334
35 to 44 years	609	151	129	106	82	104	20	11	6	—	10 578	10 550	164
45 to 64 years	1 145	212	376	156	139	178	46	26	12	—	9 802	10 717	190
65 years and over	1 725	947	448	81	99	78	28	25	11	8	4 734	7 063	478
Median age	30.8	44.4	32.4	28.2	31.2	28.9	29.3	33.0	32.3	45.5	...	...	30.1
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980	9 286	1 589	1 826	1 276	786	1 603	1 131	724	251	100	12 406	14 346	1 603
1975 to 1978	5 500	760	996	568	580	1 083	750	611	137	15	14 336	15 046	639
1970 to 1974	1 707	421	384	245	161	259	94	95	36	12	10 495	12 064	285
1960 to 1969	748	179	174	61	36	82	49	133	31	3	10 861	14 634	91
1959 or earlier	504	102	125	55	40	79	25	38	26	14	11 136	14 228	40
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>													
Complete plumbing for exclusive use	17 193	2 859	3 354	2 127	1 581	3 045	2 028	1 580	475	144	12 906	14 514	2 488
0.50 or less	11 723	2 151	2 402	1 535	1 001	2 055	1 247	1 000	230	102	12 131	13 788	1 534
0.51 to 1.00	5 181	664	911	565	549	939	762	515	239	37	14 551	15 994	875
1.01 to 1.50	252	41	35	15	20	51	14	65	6	5	16 210	18 083	70
1.51 or more	37	3	6	12	11	—	5	—	—	—	11 979	12 891	9
Lacking complete plumbing for exclusive use	552	192	151	78	22	61	21	21	6	—	6 981	9 313	170
0.50 or less	273	93	92	44	3	27	—	14	—	—	7 014	8 663	58
0.51 to 1.00	267	93	59	34	19	28	21	7	6	—	6 947	9 984	106
1.01 to 1.50	6	—	—	—	—	6	—	—	—	—	16 250	17 330	—
1.51 or more	6	6	—	—	—	—	—	—	—	—	2500—	1 005	6
<b>SELECTED CHARACTERISTICS</b>													
Heating equipment	17 736	3 046	3 501	2 205	1 603	3 106	2 049	1 601	481	144	12 681	14 357	2 653
Central heating system	16 784	2 815	3 258	2 158	1 538	2 939	1 936	1 527	474	139	12 762	14 462	2 435
Air conditioning	11 114	1 545	1 993	1 454	1 036	2 128	1 395	1 094	365	104	13 863	15 310	1 212
Central system	4 964	575	716	700	391	923	800	581	204	74	15 447	16 815	553
Vehicles available	14 782	1 521	2 625	2 020	1 475	2 950	1 999	1 581	470	141	14 576	15 918	1 525
1	8 822	1 176	2 159	1 463	977	1 673	766	451	93	64	11 839	13 068	1 039
2 or more	5 960	345	466	557	498	1 277	1 233	1 130	377	77	19 348	20 136	486
House heating fuel	17 736	3 046	3 501	2 205	1 603	3 106	2 049	1 601	481	144	12 681	14 357	2 653
Utility gas	12 933	2 139	2 557	1 623	1 240	2 373	1 478	1 097	307	119	12 797	14 372	1 858
Bottled, tank, or LP gas	714	108	137	90	41	134	99	70	32	3	13 841	14 958	113
Electricity	2 963	652	589	364	250	451	314	242	91	10	11 652	13 225	544
Fuel oil, kerosene, etc.	720	43	118	81	43	112	128	143	40	12	18 032	19 182	60
Other	406	104	100	47	29	36	30	49	11	—	9 948	12 547	78
Median rooms	4.0	3.4	3.6	3.7	4.0	4.2	4.3	4.5	5.2	4.3	...	...	3.7
Specified renter-occupied housing units	16 882	2 955	3 420	2 108	1 549	2 980	1 901	1 441	398	130	12 450	14 094	2 563
<b>CONTRACT RENT</b>													
Less than \$100	1 299	754	313	84	27	66	4	37	14	—	4 531	6 628	565
\$100 to \$149	1 981	494	672	200	158	223	120	85	12	17	8 273	10 686	388
\$150 to \$199	4 304	728	1 165	688	453	653	382	170	44	21	10 941	12 128	634
\$200 to \$249	3 984	513	701	626	414	910	430	336	54	—	13 418	14 111	494
\$250 to \$299	3 099	271	302	380	333	784	551	341	96	41	16 325	17 265	311
\$300 to \$349	1 133	70	99	87	87	199	235	257	86	13	20 454	20 946	87
\$350 to \$399	394	19	21	—	8	55	92	115	64	20	25 114	27 549	22
\$400 to \$499	177	9	26	4	16	17	31	52	16	6	22 734	23 308	9
\$500 or more	42	—	—	—	—	—	8	22	—	12	32 218	37 137	—
No cash rent	469	97	121	39	53	73	48	26	12	—	11 058	12 733	53
Median	\$207	\$158	\$176	\$205	\$212	\$227	\$249	\$261	\$285	\$268	...	...	\$172
<b>GROSS RENT</b>													
Less than \$100	952	665	159	53	13	26	—	30	6	—	4 059	5 583	464
\$100 to \$149	1 084	334	482	105	60	57	14	16	8	8	6 919	8 396	264
\$150 to \$199	2 559	555	867	370	205	321	160	55	12	14	9 114	10 558	456
\$200 to \$249	3 743	576	856	655	432	666	319	192	42	5	11 677	12 531	494
\$250 to \$299	3 383	376	440	406	388	879	520	289	55	30	15 381	15 685	387
\$300 to \$349	2 336	208	292	286	205	508	411	329	83	14	16 333	17 250	284
\$350 to \$399	1 200	83	88	134	96	289	189	228	80	13	18 060	19 769	103
\$400 to \$499	878	52	79	48	78	156	194	185	72	14	20 607	21 165	39
\$500 or more	278	9	36	12	19	5	46	91	28	32	25 909	28 660	19
No cash rent	469	97	121	39	53	73	48	26	12	—	11 058	12 733	53
Median	\$248	\$188	\$209	\$237	\$256	\$271	\$293	\$319	\$342	\$329	...	...	\$206
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
Less than 15 percent	2 951	25	71	116	102	552	692	911	361	121	24 373	26 281	19
15 to 19 percent	3 020	37	228	249	332	991	765	387	22	9	18 261	18 485	29
20 to 24 percent	2 982	189	433	534	534	921	269	99	3	—	14 068	13 929	183
25 to 29 percent	1 997	234	517	496	327	315	90	18	—	—	11 247	11 371	168
30 to 34 percent	1 147	85	474	351	114	91	32	—	—	—	10 103	10 128	120
35 to 49 percent	1 810	347	1 037	297	87	37	5	—	—	—	7 422	7 669	253
50 percent or more	2 321	1 756	539	26	—	—	—	—	—	—	3 675	3 812	1 553
Not computed	654	282	121	39	53	73	48	26	12	—	7 532	9 131	238
Median	23.6	50+	34.2	26.4	22.9	19.5	16.5	13.6	10.8	10—	...	...	50+

Table A—5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

The SMSA	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units -----	24 901	1 045	2 685	3 962	3 914	3 068	4 868	2 640	1 764	955	364
<b>PERSONS IN UNIT</b>											
1 person -----	1 731	269	234	296	268	199	302	100	51	12	312
2 persons -----	6 117	375	807	1 001	922	698	1 199	623	375	117	347
3 persons -----	5 138	184	546	762	865	653	1 092	528	356	152	366
4 persons -----	7 004	154	632	1 101	1 047	850	1 468	864	532	356	383
5 persons -----	3 203	48	323	518	501	461	508	325	297	222	373
6 persons -----	1 061	11	84	140	186	123	214	140	110	53	395
7 persons -----	462	4	48	88	90	60	61	43	31	37	351
8 or more persons -----	185	—	11	56	35	24	24	17	12	6	336
Median -----	3.40	2.18	3.05	3.40	3.39	3.48	3.35	3.58	3.69	4.05	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>											
<b>Married-couple families -----</b>	<b>20 988</b>	<b>605</b>	<b>2 124</b>	<b>3 236</b>	<b>3 307</b>	<b>2 587</b>	<b>4 185</b>	<b>2 378</b>	<b>1 638</b>	<b>928</b>	<b>374</b>
15 to 24 years -----	900	21	20	114	130	141	265	136	55	18	407
25 to 34 years -----	6 904	92	350	669	976	995	1 891	1 054	611	266	418
35 to 44 years -----	5 991	96	588	994	882	760	1 022	699	541	409	379
45 to 64 years -----	6 654	321	1 044	1 332	1 221	653	961	477	425	220	326
65 years and over -----	539	75	122	127	98	38	46	12	6	15	279
<b>Male householder, no wife present -----</b>	<b>1 625</b>	<b>118</b>	<b>189</b>	<b>249</b>	<b>234</b>	<b>219</b>	<b>359</b>	<b>144</b>	<b>93</b>	<b>20</b>	<b>355</b>
15 to 24 years -----	192	15	7	34	27	33	41	22	13	—	370
25 to 34 years -----	783	5	67	105	147	122	230	72	23	12	378
35 to 44 years -----	302	11	38	59	40	37	71	15	31	—	354
45 to 64 years -----	278	51	63	44	20	27	4	35	26	8	278
65 years and over -----	70	36	14	7	—	—	13	—	—	—	196
<b>Female householder, no husband present -----</b>	<b>2 288</b>	<b>322</b>	<b>372</b>	<b>477</b>	<b>373</b>	<b>262</b>	<b>324</b>	<b>118</b>	<b>33</b>	<b>7</b>	<b>297</b>
15 to 24 years -----	73	—	4	13	5	14	23	14	—	—	402
25 to 34 years -----	594	27	100	153	114	72	107	21	—	—	307
35 to 44 years -----	598	33	76	110	78	108	107	53	33	—	351
45 to 64 years -----	746	138	158	175	126	52	68	22	—	7	272
65 years and over -----	277	124	34	26	50	16	19	8	—	—	221
Median age -----	39.1	55.3	46.2	42.7	40.1	36.5	34.5	35.0	37.6	38.8	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>											
1979 to March 1980 -----	4 027	52	98	120	330	369	1 149	824	736	349	491
1975 to 1978 -----	9 016	164	367	906	1 190	1 475	2 435	1 328	757	394	415
1970 to 1974 -----	4 819	207	615	1 031	1 110	720	623	260	124	129	325
1960 to 1969 -----	5 676	387	1 178	1 615	1 099	431	574	212	104	76	289
1959 or earlier -----	1 363	235	427	290	185	73	87	16	43	7	253
<b>ROOMS</b>											
1 to 3 rooms -----	160	42	16	34	29	3	14	16	6	—	282
4 rooms -----	1 504	259	291	269	216	166	197	80	20	6	288
5 rooms -----	5 880	404	1 042	1 364	1 050	646	941	283	128	22	306
6 rooms -----	6 393	257	722	1 180	1 108	867	1 284	588	294	93	347
7 rooms -----	4 988	58	388	642	776	663	1 110	664	524	163	398
8 or more rooms -----	5 976	25	226	473	735	723	1 322	1 009	792	671	460
Median -----	6.3	5.0	5.5	5.8	6.1	6.3	6.5	7.0	7.3	8.2	...
<b>YEAR STRUCTURE BUILT</b>											
1975 to March 1980 -----	3 505	48	41	59	160	292	943	807	714	441	526
1970 to 1974 -----	2 226	11	17	158	415	368	590	359	215	93	422
1960 to 1969 -----	6 975	110	516	1 445	1 335	905	1 364	713	407	180	355
1950 to 1959 -----	5 107	334	893	1 051	837	608	815	363	112	94	316
1940 to 1949 -----	1 662	140	274	354	335	173	257	79	34	16	309
1939 or earlier -----	5 426	402	944	895	832	722	899	319	282	131	328
<b>VALUE</b>											
Less than \$10,000 -----	74	57	2	3	—	6	6	—	—	—	150
\$10,000 to \$19,999 -----	638	189	157	162	81	20	29	—	—	—	241
\$20,000 to \$29,999 -----	2 136	377	579	493	385	171	108	19	4	—	261
\$30,000 to \$39,999 -----	3 886	227	836	898	740	526	529	115	15	—	299
\$40,000 to \$49,999 -----	5 597	112	733	1 153	1 098	856	1 233	313	85	14	336
\$50,000 to \$59,999 -----	5 106	35	267	832	871	726	1 318	763	271	23	386
\$60,000 to \$79,999 -----	4 749	30	93	370	621	547	1 202	968	739	179	455
\$80,000 to \$99,999 -----	1 622	8	6	51	89	174	300	324	380	290	556
\$100,000 to \$149,999 -----	888	10	12	—	29	42	138	124	200	333	667
\$150,000 or more -----	205	—	—	—	—	—	5	14	70	116	750 +
Median -----	\$50 200	\$27 100	\$36 900	\$43 500	\$46 700	\$49 500	\$53 400	\$61 800	\$74 300	\$98 100	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Less than 15 percent -----	8 371	583	1 837	2 230	1 574	837	731	245	208	126	290
15 to 19 percent -----	5 721	148	345	930	1 049	960	1 490	453	27	121	370
20 to 24 percent -----	4 378	99	205	343	593	595	1 195	729	44	174	429
25 to 29 percent -----	2 684	50	103	135	332	352	621	614	282	195	450
30 to 34 percent -----	1 333	32	59	80	92	130	355	258	255	72	475
35 percent or more -----	2 336	123	130	229	259	186	452	341	349	267	453
Not computed -----	78	10	6	15	15	8	24	—	—	—	327
Median -----	18.5	13.7	12.6	14.2	16.8	18.6	20.8	24.3	25.1	26.4	...
<b>SELECTED CHARACTERISTICS</b>											
<b>Heating equipment -----</b>	<b>24 901</b>	<b>1 045</b>	<b>2 685</b>	<b>3 962</b>	<b>3 914</b>	<b>3 068</b>	<b>4 868</b>	<b>2 640</b>	<b>1 764</b>	<b>955</b>	<b>364</b>
Steam or hot water system -----	1 118	43	96	164	150	140	204	135	93	38	388
Central warm-air furnace or electric heat pump -----	22 873	851	2 468	3 614	3 660	2 814	4 529	2 462	1 642	833	365
Other built-in electric units -----	165	7	10	18	14	45	28	11	22	10	387
Floor, wall, or pipeless furnace -----	245	77	46	63	21	21	6	5	—	6	249
Other means -----	500	67	65	103	69	48	101	27	7	13	311
<b>Air conditioning -----</b>	<b>18 754</b>	<b>618</b>	<b>1 898</b>	<b>2 913</b>	<b>2 885</b>	<b>2 161</b>	<b>3 721</b>	<b>2 158</b>	<b>1 535</b>	<b>865</b>	<b>375</b>
Central system -----	11 730	134	643	1 426	1 616	1 303	2 695	1 756	1 344	813	426
1 or more individual room units -----	7 024	484	1 255	1 487	1 269	858	1 026	402	191	52	311
<b>House heating fuel -----</b>	<b>24 901</b>	<b>1 045</b>	<b>2 685</b>	<b>3 962</b>	<b>3 914</b>	<b>3 068</b>	<b>4 868</b>	<b>2 640</b>	<b>1 764</b>	<b>955</b>	<b>364</b>
Utility gas -----	22 078	953	2 507	3 603	3 595	2 597	4 252	2 360	1 453	758	357
Bottled, tank, or LP gas -----	1 217	30	65	198	165	226	268	78	106	81	383
Electricity -----	765	20	47	44	49	88	149	130	148	90	491
Fuel oil, kerosene, etc. -----	610	12	32	69	82	143	148	54	57	13	388
Other -----	231	30	34	48	23	14	51	18	—	13	308



Table A—6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## The SMSA

Specified owner-occupied housing units -----

## PERSONS IN UNIT

1 person -----	3 333	27	269	641	940	666	523	159	108	119
2 persons -----	5 907	14	122	498	1 252	1 525	1 752	413	331	142
3 persons -----	1 379	—	10	40	203	265	540	195	126	166
4 persons -----	817	—	—	35	117	201	246	106	112	161
5 persons -----	391	—	3	14	7	78	157	93	39	180
6 persons -----	98	—	—	—	13	19	39	18	9	172
7 persons -----	48	—	—	—	—	11	19	9	9	184
8 or more persons -----	8	—	—	—	—	—	8	—	—	175
Median -----	1.95	1.26	1.25	1.46	1.76	1.97	2.14	2.32	2.28	...

## HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER

Married-couple families -----	7 417	7	108	438	1 329	1 791	2 476	746	522	151
15 to 24 years -----	30	—	4	4	9	6	7	—	—	119
25 to 34 years -----	237	—	—	10	45	66	75	26	15	149
35 to 44 years -----	516	—	—	3	41	98	220	91	63	176
45 to 64 years -----	3 639	—	56	128	551	853	1 289	451	311	159
65 years and over -----	2 995	7	48	293	683	768	885	178	133	140
Male householder, no wife present -----	966	4	116	179	235	175	144	39	74	120
15 to 24 years -----	17	—	13	—	—	3	1	—	—	66
25 to 34 years -----	37	—	8	8	3	6	5	7	—	121
35 to 44 years -----	53	4	—	26	8	—	6	2	7	97
45 to 64 years -----	252	—	28	35	29	49	61	6	44	142
65 years and over -----	607	—	67	110	195	117	71	24	23	116
Female householder, no husband present -----	3 598	30	180	611	968	799	664	208	138	125
15 to 24 years -----	13	—	—	—	—	—	5	8	—	209
25 to 34 years -----	56	—	—	12	14	6	14	5	5	133
35 to 44 years -----	104	—	—	7	19	17	37	13	11	162
45 to 64 years -----	886	7	38	74	213	210	240	58	46	138
65 years and over -----	2 539	23	142	518	722	566	368	124	76	120
Median age -----	65.4	76.3	69.9	72.0	68.5	65.8	61.6	59.0	59.3	...

## YEAR HOUSEHOLDER MOVED INTO UNIT

1979 to March 1980 -----	318	—	23	31	28	37	112	49	38	168
1975 to 1978 -----	959	4	24	60	187	185	252	127	120	154
1970 to 1974 -----	1 332	—	35	169	230	259	429	124	86	147
1960 to 1969 -----	3 099	7	69	220	447	667	1 081	341	267	156
1959 or earlier -----	6 273	30	253	748	1 640	1 617	1 410	352	223	132

## ROOMS

1 to 3 rooms -----	306	16	58	140	61	16	15	—	—	89
4 rooms -----	2 119	2	140	366	633	581	309	44	44	122
5 rooms -----	4 166	7	137	418	1 089	1 037	1 157	262	59	135
6 rooms -----	2 833	7	47	229	489	691	971	241	158	148
7 rooms -----	1 481	9	22	55	191	340	501	207	156	162
8 or more rooms -----	1 076	—	—	20	69	100	331	239	317	204
Median -----	5.4	4.9	4.5	4.8	5.0	5.3	5.7	6.3	7.2	...

## YEAR STRUCTURE BUILT

1975 to March 1980 -----	291	—	—	7	30	24	79	79	72	203
1970 to 1974 -----	299	—	—	3	15	30	142	59	50	186
1960 to 1969 -----	1 969	7	25	61	123	359	856	285	253	174
1950 to 1959 -----	3 228	—	45	212	711	915	934	280	131	143
1940 to 1949 -----	1 245	23	43	110	252	411	317	38	51	137
1939 or earlier -----	4 949	11	291	835	1 401	1 026	956	252	177	124

## VALUE

Less than \$10,000 -----	206	18	53	43	53	12	25	2	—	94
\$10,000 to \$19,999 -----	1 376	14	190	388	430	198	109	41	6	106
\$20,000 to \$29,999 -----	2 391	9	74	443	752	627	400	58	28	122
\$30,000 to \$39,999 -----	2 678	—	39	239	787	807	640	118	48	133
\$40,000 to \$49,999 -----	2 140	—	36	77	368	589	898	128	44	150
\$50,000 to \$59,999 -----	1 512	—	6	35	112	418	681	168	92	164
\$60,000 to \$79,999 -----	1 047	—	6	—	30	95	461	340	115	193
\$80,000 to \$99,999 -----	320	—	—	—	—	19	58	99	144	242
\$100,000 to \$149,999 -----	213	—	—	3	—	—	12	24	174	250+
\$150,000 or more -----	98	—	—	—	—	—	—	15	83	250+
Median -----	\$37 500	\$17 900	\$17 100	\$23 100	\$30 400	\$36 700	\$45 100	\$58 900	\$84 000	...

## SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979

Less than 10 percent -----	5 111	16	131	378	1 037	1 242	1 506	437	364	145
10 to 14 percent -----	2 475	—	73	231	432	605	713	257	164	146
15 to 19 percent -----	1 470	4	107	177	317	305	416	102	42	136
20 to 24 percent -----	902	—	50	168	224	203	174	32	51	126
25 to 29 percent -----	628	2	10	93	207	128	113	52	23	125
30 to 34 percent -----	350	—	5	79	100	80	53	14	19	123
35 percent or more -----	959	—	22	86	198	196	304	82	71	147
Not computed -----	86	19	6	16	17	6	5	17	—	103
Median -----	11.7	10.0	14.7	14.9	12.6	11.1	10.9	11.0	10.1	...

## SELECTED CHARACTERISTICS

Heating equipment -----	11 981	41	404	1 228	2 532	2 765	3 284	993	734	141
Steam or hot water system -----	666	—	10	31	123	137	198	65	102	158
Central warm-air furnace or electric heat pump -----	10 336	16	272	996	2 173	2 447	2 961	875	596	142
Other built-in electric units -----	125	—	12	—	31	31	16	20	15	141
Floor, wall, or pipeless furnace -----	229	—	24	53	53	48	43	2	6	118
Other means -----	625	25	86	148	152	102	66	31	15	109
Air conditioning -----	8 534	7	204	626	1 628	2 061	2 560	824	624	147
Central system -----	4 205	—	37	110	493	849	1 560	644	512	170
1 or more individual room units -----	4 329	7	167	516	1 135	1 212	1 060	180	112	132
House heating fuel -----	11 981	41	404	1 228	2 532	2 765	3 284	993	734	141
Utility gas -----	10 482	23	344	1 138	2 287	2 498	2 843	762	587	140
Bottled, tank, or LP gas -----	598	12	6	50	94	99	203	66	68	159
Electricity -----	249	—	17	1	39	48	50	55	39	169
Fuel oil, kerosene, etc. -----	595	2	22	32	106	97	188	108	40	160
Other -----	57	4	15	7	6	23	—	2	—	110



Table A—7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
Occupied housing units .....	44 025	5 250	3 717	10 199	12 201	12 658	17 745	3 157	2 063	3 476	3 648	5 401
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families .....	33 031	4 401	2 859	8 325	9 212	8 234	5 654	914	571	1 067	1 339	1 763
15 to 24 years .....	1 263	263	159	209	315	317	1 366	332	189	257	337	251
25 to 34 years .....	8 019	1 915	972	1 688	1 765	1 679	2 171	318	192	412	538	711
35 to 44 years .....	7 328	1 169	875	2 402	1 463	1 419	629	50	70	131	141	237
45 to 64 years .....	12 081	930	724	3 452	4 062	2 913	948	102	56	174	254	362
65 years and over .....	4 340	124	129	574	1 607	1 906	540	112	64	93	69	202
Male householder, no wife present .....	3 605	370	309	615	901	1 410	4 991	1 082	525	912	1 014	1 458
15 to 24 years .....	381	55	44	101	91	90	1 768	385	222	328	452	361
25 to 34 years .....	1 063	174	159	184	277	269	1 716	472	193	302	339	410
35 to 44 years .....	498	58	31	126	126	157	422	101	29	100	69	123
45 to 64 years .....	799	67	66	133	169	364	677	97	47	117	113	303
65 years and over .....	864	16	9	71	238	530	408	27	34	65	41	241
Female householder, no husband present .....	7 389	479	549	1 259	2 088	3 014	7 100	1 161	967	1 497	1 295	2 180
15 to 24 years .....	193	35	41	39	48	30	1 833	386	271	379	354	443
25 to 34 years .....	858	114	106	156	246	236	1 788	234	239	437	389	489
35 to 44 years .....	856	110	130	220	186	210	609	81	62	123	116	227
45 to 64 years .....	2 107	150	164	427	661	705	1 145	124	120	196	218	487
65 years and over .....	3 375	70	108	417	947	1 833	1 725	336	275	362	218	534
Median age .....	46.9	35.4	37.9	44.9	51.8	55.4	30.8	28.3	29.3	31.2	29.2	35.3
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980 .....	5 537	1 873	592	1 043	1 038	991	9 286	2 362	1 141	1 764	1 958	2 061
1975 to 1978 .....	12 293	3 377	1 322	2 524	2 512	2 558	5 500	795	632	1 102	1 084	1 887
1970 to 1974 .....	7 328	—	1 803	1 933	1 817	1 775	1 707	—	290	373	406	638
1960 to 1969 .....	9 789	—	—	4 699	2 664	2 426	748	—	—	237	106	405
1959 or earlier .....	9 078	—	—	—	4 170	4 908	504	—	—	—	94	410
<b>ROOMS</b>												
1 room .....	35	—	7	—	19	9	556	37	119	73	53	274
2 rooms .....	146	27	20	11	53	35	1 523	272	240	373	170	468
3 rooms .....	766	48	43	139	220	316	4 181	1 081	408	834	769	1 089
4 rooms .....	5 208	496	516	837	1 943	1 416	5 594	1 314	851	1 261	991	1 177
5 rooms .....	11 986	1 109	790	2 958	4 196	2 933	2 870	305	246	476	855	988
6 rooms .....	10 460	939	779	2 406	3 208	3 128	1 602	73	129	243	490	667
7 or more rooms .....	15 424	2 631	1 562	3 848	2 562	4 821	1 419	75	70	216	320	738
Median .....	5.9	6.5	6.1	6.0	5.4	6.0	4.0	3.6	3.8	3.9	4.3	4.2
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use .....	43 753	5 245	3 714	10 191	12 114	12 489	17 193	3 132	2 031	3 424	3 533	5 073
0.50 or less .....	28 423	3 168	2 130	6 018	7 916	9 191	11 723	2 363	1 338	2 380	2 198	3 444
0.51 to 1.00 .....	14 667	2 000	1 531	4 057	3 946	3 133	5 181	751	676	994	1 231	1 529
1.01 to 1.50 .....	588	65	53	100	225	145	252	12	12	40	97	91
1.51 or more .....	75	12	—	16	27	20	37	6	5	10	7	9
Lacking complete plumbing for exclusive use .....	272	5	3	8	87	169	552	25	32	52	115	328
0.50 or less .....	172	—	—	2	63	107	273	14	19	46	58	136
0.51 to 1.00 .....	95	5	3	6	19	62	267	11	13	6	57	180
1.01 to 1.50 .....	5	—	—	—	5	—	6	—	—	—	—	6
1.51 or more .....	—	—	—	—	—	—	6	—	—	—	—	6
<b>PERSONS IN UNIT</b>												
1 person .....	6 678	506	463	1 001	1 842	2 866	7 598	1 516	955	1 468	1 282	2 377
2 persons .....	14 462	1 324	817	3 145	4 715	4 461	5 323	1 127	650	1 119	1 008	1 419
3 persons .....	7 867	992	771	1 873	2 186	2 045	2 423	370	249	443	614	747
4 persons .....	8 847	1 504	951	2 488	2 108	1 796	1 370	118	128	286	398	440
5 persons .....	4 060	693	505	1 092	898	872	637	70	57	100	198	262
6 or more persons .....	2 111	231	210	600	452	618	394	6	24	60	148	156
Median .....	2.61	3.30	3.25	3.01	2.40	2.28	1.74	1.56	1.62	1.74	2.04	1.73
Total persons .....	129 773	17 548	12 063	32 455	33 727	33 980	35 979	5 348	3 823	6 996	8 419	11 393
<b>UNITS IN STRUCTURE</b>												
1, detached or attached .....	40 586	4 269	2 810	9 473	11 993	12 041	5 205	139	156	543	1 814	2 553
2 .....	540	41	15	24	92	368	1 739	99	44	189	577	830
3 and 4 .....	270	94	29	14	20	113	2 230	483	111	237	483	911
5 to 9 .....	148	48	14	10	7	69	2 413	526	402	556	307	622
10 to 49 .....	349	124	128	22	15	60	4 750	1 558	999	1 538	359	296
50 or more .....	41	—	4	37	—	—	1 270	340	287	357	97	189
Mobile home or trailer, etc. ....	2 091	674	717	619	74	7	138	12	64	56	6	—
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment .....	44 018	5 250	3 717	10 199	12 201	12 651	17 736	3 157	2 063	3 476	3 644	5 396
Steam or hot water system .....	2 197	99	67	517	607	907	3 309	625	259	693	648	1 084
Central warm-air furnace or electric heat pump .....	39 237	4 981	3 494	9 315	11 079	10 368	11 677	1 919	1 341	2 321	2 497	3 599
Other built-in electric units .....	405	64	57	151	41	92	1 432	573	396	299	87	77
Floor, wall, or pipeless furnace .....	625	24	19	48	204	330	366	9	13	82	103	159
Other means .....	1 554	82	80	168	270	954	952	31	54	81	309	477
Air conditioning .....	31 770	4 254	3 010	8 276	8 926	7 304	11 114	3 003	1 886	2 681	1 664	1 880
Central system .....	18 420	3 888	2 332	5 910	4 385	1 905	4 964	1 810	1 041	1 484	383	246
1 or more individual room units .....	13 350	366	678	2 366	4 541	5 399	6 150	1 193	845	1 197	1 281	1 634
House heating fuel .....	44 018	5 250	3 717	10 199	12 201	12 651	17 736	3 157	2 063	3 476	3 644	5 396
Utility gas .....	37 126	4 049	3 085	9 045	10 992	9 955	12 933	2 029	1 162	2 566	3 073	4 103
Bottled, tank, or LP gas .....	3 008	414	371	678	557	988	714	49	45	109	154	357
Electricity .....	1 395	662	219	230	102	182	2 963	1 054	856	700	193	160
Fuel oil, kerosene, etc. ....	2 039	63	22	183	467	1 304	720	12	—	51	162	495
Other .....	450	62	20	63	83	222	406	13	—	50	62	281
Income in 1979 below poverty level .....	2 037	106	138	310	508	975	2 658	411	257	462	540	988
Percent below poverty level .....	4.6	2.0	3.7	3.0	4.2	7.7	15.0	13.0	12.5	13.3	14.8	18.3
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000 .....	2 648	83	111	354	704	1 396	3 051	500	344	462	569	1 176
\$5,000 to \$9,999 .....	4 066	133	266	616	1 144	1 907	3 505	476	346	615	727	1 341
\$10,000 to \$12,499 .....	2 315	224	181	363	717	830	2 205	406	296	440	446	617
\$12,500 to \$14,999 .....	2 551	240	191	423	820	877	1 603	254	181	398	353	417
\$15,000 to \$19,999 .....	6 004	702	581	1 169	1 664	1 888	3 106	535	396	617	713	845
\$20,000 to \$24,999 .....	7 314	982	681	1 717	2 151	1 783	2 049	510	262	445	412	420
\$25,000 to \$34,999 .....	11 379	1 772	929	3 032	3 125	2 521	1 601	327	192	356	313	413
\$35,000 to \$49,999 .....	5 424	747	523	1 806	1 354	994	481	123	27	108	78	145
\$50,000 or more .....	2 324	367	254	719	522	462	144	26	19	35	37	27
Median .....	\$22 897	\$26 165	\$23 716	\$26 336	\$22 316	\$18 503	\$12 674	\$14 434	\$13 128	\$13 888	\$13 081	\$10 744
Mean .....	\$24 938	\$28 524	\$27 901	\$28 311	\$24 157	\$20 616	\$14 352	\$15 719	\$14 485	\$15 393	\$14 492	\$12 739

Table A—8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
Occupied housing units .....	44 025	40 586	1 348	2 091	17 745	5 205	1 739	2 230	2 413	4 750	1 270	138
Condominium housing units .....	425	42	383	—	57	—	—	—	18	19	20	—
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families .....	33 031	31 310	576	1 145	5 654	2 727	565	512	489	1 072	247	42
15 to 24 years .....	1 263	971	31	261	1 366	427	192	151	139	380	61	16
25 to 34 years .....	8 019	7 570	66	383	2 171	1 166	191	219	187	344	45	19
35 to 44 years .....	7 328	7 100	75	153	629	403	60	24	61	67	7	7
45 to 64 years .....	12 081	11 575	265	241	948	521	83	61	69	163	51	—
65 years and over .....	4 340	4 094	139	107	540	210	39	57	33	118	83	—
Male householder, no wife present .....	3 605	2 986	244	375	4 991	1 102	434	657	874	1 527	347	50
15 to 24 years .....	381	221	58	102	1 768	376	186	229	338	571	49	19
25 to 34 years .....	1 063	891	63	109	1 716	430	126	205	300	551	84	20
35 to 44 years .....	498	395	34	69	422	63	34	42	88	160	35	—
45 to 64 years .....	799	652	84	63	677	135	51	108	108	184	85	6
65 years and over .....	864	827	5	32	408	98	37	73	40	61	94	5
Female householder, no husband present .....	7 389	6 290	528	571	7 100	1 376	740	1 061	1 050	2 151	676	46
15 to 24 years .....	193	86	11	96	1 833	191	230	294	344	655	103	16
25 to 34 years .....	858	678	54	126	1 788	453	212	296	290	451	82	4
35 to 44 years .....	856	746	19	91	609	168	67	103	86	147	30	8
45 to 64 years .....	2 107	1 779	159	169	1 145	306	122	143	159	317	82	16
65 years and over .....	3 375	3 001	285	89	1 725	258	109	225	171	581	379	2
Median age .....	46.9	47.2	55.4	34.3	30.8	32.3	28.7	30.4	28.4	29.6	58.2	29.7
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980 .....	5 537	4 627	313	597	9 286	2 235	983	1 209	1 459	2 856	503	41
1975 to 1978 .....	12 293	10 837	422	1 034	5 500	1 773	501	675	648	1 349	492	62
1970 to 1974 .....	7 328	6 792	208	328	1 707	525	148	186	208	389	216	35
1960 to 1969 .....	9 789	9 518	149	122	748	334	89	81	48	151	45	—
1959 or earlier .....	9 078	8 812	256	10	504	338	18	79	50	5	14	—
<b>ROOMS</b>												
1 room .....	35	28	—	7	556	—	9	70	111	86	280	—
2 rooms .....	146	63	44	39	1 523	41	55	267	398	625	131	6
3 rooms .....	766	434	159	173	4 181	295	369	800	645	1 657	402	13
4 rooms .....	5 208	3 906	383	919	5 594	984	684	827	931	1 764	330	74
5 rooms .....	11 986	10 900	370	716	2 870	1 467	361	181	204	508	111	38
6 rooms .....	10 460	10 102	191	167	1 602	1 167	187	46	103	85	7	7
7 or more rooms .....	15 424	15 153	201	70	1 419	1 251	74	39	21	25	9	—
Median .....	5.9	6.0	4.7	4.4	4.0	5.4	4.1	3.5	3.6	3.5	3.1	4.2
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use .....	43 753	40 366	1 301	2 086	17 193	5 148	1 679	2 114	2 280	4 626	1 208	138
0.50 or less .....	28 423	26 163	1 079	1 181	11 723	3 064	1 120	1 507	1 768	3 484	707	73
0.51 to 1.00 .....	14 667	13 590	203	874	5 181	1 893	547	583	475	1 125	501	57
1.01 to 1.50 .....	588	549	14	25	252	179	12	21	21	11	—	8
1.51 or more .....	75	64	5	6	37	12	—	3	16	6	—	—
Lacking complete plumbing for exclusive use .....	272	220	47	5	552	57	60	116	133	124	62	—
0.50 or less .....	172	133	34	5	273	40	26	55	53	84	15	—
0.51 to 1.00 .....	95	82	13	—	267	17	34	55	74	40	47	—
1.01 to 1.50 .....	5	5	—	—	6	—	—	6	—	—	—	—
1.51 or more .....	—	—	—	—	6	—	—	6	—	—	—	—
<b>BEDROOMS</b>												
None .....	83	51	19	13	971	9	23	162	192	262	323	—
1 .....	1 631	1 121	284	226	6 430	550	707	1 148	1 158	2 327	521	19
2 .....	11 306	9 386	692	1 228	7 158	2 056	801	849	922	2 042	421	67
3 .....	22 542	21 657	261	624	2 375	1 829	187	64	119	119	5	52
4 .....	7 117	7 051	66	—	686	645	21	13	—	—	—	—
5 or more .....	1 346	1 320	26	—	125	116	—	—	9	—	—	—
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000 .....	2 648	2 337	139	172	3 051	693	325	506	409	772	333	13
\$5,000 to \$9,999 .....	4 066	3 604	179	283	3 505	888	326	498	559	854	323	57
\$10,000 to \$14,999 .....	2 315	1 913	128	274	2 205	518	184	341	381	622	143	16
\$15,000 to \$19,999 .....	2 551	2 200	134	217	1 603	496	169	178	179	501	80	—
\$20,000 to \$24,999 .....	6 004	5 379	190	435	3 106	924	385	340	426	875	143	13
\$25,000 to \$34,999 .....	7 314	6 777	196	341	2 049	668	219	197	265	587	93	20
\$35,000 to \$49,999 .....	11 379	10 896	184	299	1 601	711	100	134	155	401	87	13
\$50,000 or more .....	5 424	5 245	115	64	481	245	31	16	31	94	58	6
Median .....	2 324	2 235	83	6	144	62	—	20	8	44	10	—
Mean .....	\$22 897	\$23 521	\$17 117	\$15 892	\$12 674	\$15 032	\$13 010	\$10 814	\$11 565	\$13 134	\$9 633	\$9 911
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment .....	44 018	40 579	1 348	2 091	17 736	5 201	1 739	2 230	2 408	4 750	1 270	138
Steam or hot water system .....	2 197	2 057	138	2	3 309	241	235	520	742	1 126	437	8
Central warm-air furnace or electric heat pump .....	39 237	36 159	1 103	1 975	11 677	4 110	1 327	1 410	1 307	2 843	569	111
Other built-in electric units .....	405	387	13	5	1 432	77	35	166	251	661	242	—
Floor, wall, or pipeless furnace .....	625	536	35	54	366	240	16	42	18	29	16	5
Other means .....	1 554	1 440	59	55	952	533	126	92	90	91	6	14
Air conditioning .....	31 770	29 346	985	1 439	11 114	2 240	727	1 048	1 687	4 248	1 081	83
Central system .....	18 420	17 143	592	685	4 964	557	227	333	838	2 549	404	56
Vehicles available .....	41 889	38 664	1 210	2 015	14 782	4 690	1 457	1 664	1 986	4 105	748	132
1 .....	11 833	10 304	575	954	8 822	2 083	887	1 239	1 321	2 647	543	102
2 or more .....	30 056	28 360	635	1 061	5 960	2 607	570	425	665	1 458	205	30
House heating fuel .....	44 018	40 579	1 348	2 091	17 736	5 201	1 739	2 230	2 408	4 750	1 270	138
Utility gas .....	37 126	34 149	1 171	1 806	12 933	3 892	1 565	1 838	1 721	3 150	698	69
Bottled, tank, or LP gas .....	3 008	2 743	52	213	714	466	44	35	61	59	—	49
Electricity .....	1 395	1 281	71	43	2 963	159	91	280	507	1 451	455	20
Fuel oil, kerosene, etc. ....	2 039	1 980	36	23	720	580	39	48	38	6	9	—
Other .....	450	426	18	6	406	104	—	29	81	84	108	—
Water heating fuel .....	43 935	40 496	1 348	2 091	17 714	5 200	1 739	2 217	2 407	4 743	1 270	138
Utility gas .....	32 458	30 076	919	1 463	12 000	3 534	1 469	1 739	1 662	2 901	631	64
Bottled, tank, or LP gas .....	2 025	1 844	50	131	545	343	51	8	47	66	—	30
Electricity .....	9 371	8 495	379	497	5 070	1 318	219	459	685	1 742	603	44
Fuel oil, kerosene, etc. ....	33	33	—	—	8	—	—	3	5	—	—	—
Other .....	48	48	—	—	91	5	—	8	8	34	36	—
Family householder .....	36 466	34 333	696	1 437	8 056	3 661	873	808	777	1 489	432	66
With own children under 18 years .....	19 624	18 625	139	860	4 694	2 410	530	498	342	681	190	43
With own children under 6 years .....	8 033	7 489	48	496	2 843	1 372	361	360	204	404	103	39
Female householder, no husband present .....	2 620	2 336	68	216	1 919	684	267	259	194	360	133	22
With own children under 18 years .....	1 440	1 261	26	153	1 486	527	223	235	133	262	92	14
With own children under 6 years .....	335	267	5	63	688	194	161	122	82	84	35	10
Nonfamily householder .....	7 559	6 253	652	654	9 689	1 544	866	1 422	1 686	3 261	838	72
Income in 1979 below poverty level .....	2 037	1 722	123	192	2 658	682	314	401	366	643	225	27
Percent below poverty level .....	4.6	4.2	9.1	9.2	15.0	13.1	18.1	18.0	15.2	13.5	17.7	19.6



Table A—9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## The SMSA

	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
<b>Owner-occupied housing units</b> .....	<b>44 025</b>	<b>6 678</b>	<b>14 462</b>	<b>7 867</b>	<b>8 847</b>	<b>4 060</b>	<b>1 302</b>	<b>592</b>	<b>217</b>	<b>2.61</b>	<b>129 773</b>
Nonrelatives present .....	1 400	—	697	346	172	100	66	8	11	2.51	4 060
<b>ROOMS</b> .....											
1 to 3 rooms .....	947	466	324	93	42	20	2	—	—	1.52	1 734
4 rooms .....	5 208	1 856	2 253	710	314	69	2	—	4	1.83	10 298
5 rooms .....	11 986	2 158	4 651	2 212	1 921	770	163	81	30	2.32	31 637
6 rooms .....	10 460	1 241	3 646	2 035	2 198	941	248	130	21	2.67	30 892
7 rooms .....	7 291	582	1 940	1 386	2 010	950	259	140	24	3.31	24 182
8 or more rooms .....	8 133	375	1 648	1 431	2 362	1 310	628	241	138	3.76	31 030
Median .....	5.9	5.0	5.5	6.0	6.5	6.7	7.4	7.1	8.0	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b> .....											
<b>Complete plumbing for exclusive use</b> .....	<b>43 753</b>	<b>6 569</b>	<b>14 378</b>	<b>7 826</b>	<b>8 835</b>	<b>4 052</b>	<b>1 284</b>	<b>592</b>	<b>217</b>	<b>2.62</b>	<b>129 165</b>
1.00 or less .....	43 090	6 569	14 370	7 809	8 793	3 963	1 117	381	88	2.58	124 924
1.01 to 1.50 .....	588	—	—	17	31	69	165	211	95	6.56	3 799
1.51 or more .....	75	—	8	—	11	20	2	—	34	5.42	442
<b>Locking complete plumbing for exclusive use</b> .....	<b>272</b>	<b>109</b>	<b>84</b>	<b>41</b>	<b>12</b>	<b>8</b>	<b>18</b>	<b>—</b>	<b>—</b>	<b>1.82</b>	<b>608</b>
1.00 or less .....	267	109	84	36	12	8	18	—	—	1.79	583
1.01 to 1.50 .....	5	—	—	5	—	—	—	—	—	3.00	25
1.51 or more .....	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b> .....											
1, detached or attached .....	40 586	5 560	13 287	7 223	8 531	3 896	1 291	581	217	2.70	121 613
2 or more .....	1 348	578	516	145	63	26	11	9	—	1.69	2 879
Mobile home or trailer, etc. ....	2 091	540	659	499	253	138	—	2	—	2.27	5 281
<b>VALUE</b> .....											
<b>Specified owner-occupied housing units</b> .....	<b>36 882</b>	<b>5 064</b>	<b>12 024</b>	<b>6 517</b>	<b>7 821</b>	<b>3 594</b>	<b>1 159</b>	<b>510</b>	<b>193</b>	<b>2.71</b>	<b>109 631</b>
Less than \$10,000 .....	280	135	75	38	18	12	2	—	—	1.57	620
\$10,000 to \$19,999 .....	2 014	656	719	302	148	135	34	14	6	1.99	4 437
\$20,000 to \$29,999 .....	4 527	1 251	1 724	572	541	249	114	39	37	2.09	10 981
\$30,000 to \$39,999 .....	6 564	1 159	2 502	1 041	1 142	480	124	93	23	2.35	17 202
\$40,000 to \$49,999 .....	7 737	849	2 513	1 560	1 574	838	271	98	34	2.82	23 442
\$50,000 to \$59,999 .....	6 618	583	1 973	1 245	1 853	635	210	84	35	3.10	21 319
\$60,000 to \$79,999 .....	5 796	287	1 668	1 175	1 595	737	208	98	28	3.30	19 306
\$80,000 to \$99,999 .....	1 942	71	476	367	596	263	109	48	12	3.60	6 921
\$100,000 to \$149,999 .....	1 101	52	297	156	319	181	75	14	7	3.64	4 274
\$150,000 or more .....	303	21	77	61	35	64	12	22	11	3.38	1 129
Median .....	\$46 600	\$33 900	\$43 900	\$48 400	\$52 100	\$51 100	\$51 100	\$50 800	\$49 100	...	...
<b>SELECTED CHARACTERISTICS</b> .....											
<b>All income levels in 1979</b> .....	<b>44 025</b>	<b>6 678</b>	<b>14 462</b>	<b>7 867</b>	<b>8 847</b>	<b>4 060</b>	<b>1 302</b>	<b>592</b>	<b>217</b>	<b>2.61</b>	<b>129 773</b>
Median income .....	\$22 897	\$9 181	\$21 504	\$25 955	\$26 635	\$26 766	\$29 028	\$29 070	\$30 125	...	...
Median selected monthly owner costs as percentage of household income .....	16.7	23.4	14.4	15.9	17.4	17.0	16.8	14.7	14.7	...	...
With a mortgage .....	18.5	25.5	18.1	17.9	18.6	18.1	15.3	15.1	15.1	...	...
Not mortgaged .....	11.7	21.9	10.4	10—	10—	10—	10—	10—	10—	...	...
<b>Income in 1979 below poverty level</b> .....	<b>2 037</b>	<b>847</b>	<b>462</b>	<b>232</b>	<b>270</b>	<b>127</b>	<b>44</b>	<b>29</b>	<b>26</b>	<b>1.87</b>	<b>...</b>
Median income .....	\$3 105	\$2 626	\$3 170	\$3 630	\$3 872	\$5 451	\$5 192	\$6 563	\$10 455	...	...
Median selected monthly owner costs as percentage of household income .....	50+	50+	50+	50+	50+	50+	50+	50.0	38.8	...	...
With a mortgage .....	50+	50+	50+	50+	50+	50+	50+	50+	38.8	...	...
Not mortgaged .....	47.2	49.4	44.7	29.1	50+	41.7	48.3	32.5	—	...	...
<b>Renter-occupied housing units</b> .....	<b>17 745</b>	<b>7 598</b>	<b>5 323</b>	<b>2 423</b>	<b>1 370</b>	<b>637</b>	<b>248</b>	<b>104</b>	<b>42</b>	<b>1.74</b>	<b>35 979</b>
Nonrelatives present .....	2 487	—	1 714	480	183	58	23	—	29	2.23	6 048
<b>ROOMS</b> .....											
1 room .....	556	529	21	6	—	—	—	—	—	1.03	564
2 rooms .....	1 523	1 335	161	27	—	—	—	—	—	1.07	1 758
3 rooms .....	4 181	2 941	1 038	173	22	—	—	7	—	1.21	5 486
4 rooms .....	5 594	1 872	2 315	975	348	61	23	—	—	1.90	10 989
5 rooms .....	2 870	564	1 062	581	395	186	55	23	4	2.32	7 274
6 rooms .....	1 602	219	412	348	283	234	76	18	12	2.99	4 987
7 or more rooms .....	1 419	138	314	313	322	156	94	56	26	3.32	4 921
Median .....	4.0	3.2	4.1	4.6	5.3	5.8	6.1	6.7	6.8	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b> .....											
<b>Complete plumbing for exclusive use</b> .....	<b>17 193</b>	<b>7 246</b>	<b>5 213</b>	<b>2 379</b>	<b>1 340</b>	<b>631</b>	<b>248</b>	<b>94</b>	<b>42</b>	<b>1.76</b>	<b>35 117</b>
1.00 or less .....	16 904	7 246	5 192	2 352	1 318	576	170	46	4	1.73	33 592
1.01 to 1.50 .....	252	—	—	27	22	55	78	41	29	5.78	1 386
1.51 or more .....	37	—	21	—	—	—	—	7	9	2.38	139
<b>Locking complete plumbing for exclusive use</b> .....	<b>552</b>	<b>352</b>	<b>110</b>	<b>44</b>	<b>30</b>	<b>6</b>	<b>—</b>	<b>10</b>	<b>—</b>	<b>1.28</b>	<b>862</b>
1.00 or less .....	540	352	110	38	30	—	—	10	—	1.27	817
1.01 to 1.50 .....	6	—	—	—	—	6	—	—	—	5.00	27
1.51 or more .....	6	—	—	6	—	—	—	—	—	3.00	18
<b>UNITS IN STRUCTURE</b> .....											
1, detached or attached .....	5 205	1 061	1 425	1 075	849	460	204	93	38	2.61	14 718
2 .....	1 739	589	688	262	114	70	9	7	—	1.91	3 657
3 and 4 .....	2 230	1 242	596	259	93	34	6	—	—	1.40	3 758
5 to 9 .....	2 413	1 326	745	209	80	24	21	4	4	1.41	4 026
10 to 49 .....	4 750	2 551	1 489	508	169	33	—	—	—	1.43	7 638
50 or more .....	1 270	774	362	89	38	7	—	—	—	1.32	1 867
Mobile home or trailer, etc. ....	138	55	18	21	27	9	8	—	—	2.28	315
<b>GROSS RENT</b> .....											
<b>Specified renter-occupied housing units</b> .....	<b>16 882</b>	<b>7 499</b>	<b>5 016</b>	<b>2 288</b>	<b>1 207</b>	<b>565</b>	<b>187</b>	<b>78</b>	<b>42</b>	<b>1.69</b>	<b>33 154</b>
Less than \$100 .....	952	810	89	37	16	—	—	—	—	1.09	1 133
\$100 to \$149 .....	1 084	796	210	40	22	9	—	7	—	1.18	1 440
\$150 to \$199 .....	2 559	1 616	591	194	108	42	8	—	—	1.29	4 032
\$200 to \$249 .....	3 743	2 004	1 065	407	120	92	20	23	12	1.43	6 385
\$250 to \$299 .....	3 383	1 111	1 241	600	244	134	31	18	4	1.97	7 218
\$300 to \$349 .....	2 336	593	927	464	258	76	18	—	—	2.12	5 259
\$350 to \$399 .....	1 200	241	421	240	143	101	45	9	—	2.35	3 102
\$400 to \$499 .....	878	114	264	172	188	73	52	9	6	2.85	2 585
\$500 or more .....	278	17	84	71	50	28	—	8	20	3.04	995
No cash rent .....	469	197	124	63	58	10	13	4	—	1.80	1 005
Median .....	\$248	\$211	\$271	\$287	\$313	\$300	\$361	\$285	\$483	...	...
<b>SELECTED CHARACTERISTICS</b> .....											
<b>All income levels in 1979</b> .....	<b>17 745</b>	<b>7 598</b>	<b>5 323</b>	<b>2 423</b>	<b>1 370</b>	<b>637</b>	<b>248</b>	<b>104</b>	<b>42</b>	<b>1.74</b>	<b>35 979</b>
Median income .....	\$12 674	\$9 585	\$15 717	\$15 770	\$17 366	\$16 479	\$16 912	\$16 125	\$18 750	...	...
Median gross rent as percentage of household income .....	23.6	25.4	21.4	22.6	22.1	23.5	27.4	23.3	27.1	...	...
<b>Income in 1979 below poverty level</b> .....	<b>2 658</b>	<b>1 206</b>	<b>676</b>	<b>343</b>	<b>226</b>	<b>121</b>	<b>47</b>	<b>22</b>	<b>17</b>	<b>1.68</b>	<b>...</b>
Median income .....	\$3 231	\$2 648	\$3 444	\$3 617	\$4 515	\$6 773	\$7 431	\$3 382	\$2500—	...	...
Median gross rent as percentage of household income .....	50+	50+	50+	50+	50+	45.9	49.6	50+	50+	...	...



Table A-10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

The SMSA		Married-couple families					Male householder, no wife present					Female householder, no husband present					Median age
		15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	
<b>Owner-occupied housing units</b>																	
<b>PERSONS IN UNIT</b>																	
1 person	6 678	1 263	8 019	7 328	12 081	4 340	381	1 063	498	799	864	193	858	856	2 107	3 375	46.9
2 persons	14 462	604	1 431	593	5 602	3 845	199	686	298	439	649	75	254	159	1 104	2 815	65.8
3 persons	7 867	481	1 955	1 124	2 845	375	133	221	93	172	177	83	249	151	667	441	57.9
4 persons	8 847	150	3 136	2 903	2 031	82	45	117	62	133	38	15	183	235	171	88	43.0
5 persons	4 060	18	1 144	1 724	973	16	1	18	40	37	—	7	125	189	101	27	37.9
6 or more persons	2 111	10	353	984	630	22	3	18	2	11	—	8	39	68	39	—	—
Median	2.61	2.56	3.70	4.17	2.65	2.06	1.46	1.27	1.34	1.41	1.17	1.76	2.20	3.00	1.45	1.10	41.6
Total persons	129 773	3 427	29 613	31 989	36 941	9 139	598	1 710	897	1 411	1 132	424	2 055	2 605	3 759	4 073	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																	
Complete plumbing for exclusive use	43 753	1 252	8 019	7 315	12 029	4 299	381	1 050	494	776	834	185	858	849	2 105	3 307	46.9
1.01 or more persons per room	663	10	147	246	193	23	3	—	—	7	—	42.1	—	18	16	—	42.1
Lacking complete plumbing for exclusive use	272	11	—	13	52	—	—	13	4	23	30	8	—	7	2	68	65.3
1.01 or more persons per room	5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22.5
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																	
<b>Specified owner-occupied housing units</b>																	
With a mortgage	36 882	930	7 141	6 507	10 293	3 534	209	820	355	530	677	86	650	702	1 632	2 816	46.6
Less than 15 percent	24 901	900	6 904	5 991	8 554	539	192	783	302	278	70	73	594	598	746	277	39.1
15 to 19 percent	8 371	119	1 219	2 413	3 782	139	37	143	78	106	17	4	90	61	132	30	45.1
20 to 24 percent	5 721	194	1 799	1 501	1 380	58	50	171	113	33	9	9	66	73	171	13	38.0
25 to 29 percent	4 378	278	1 741	912	652	72	27	170	36	74	5	10	125	139	139	36	34.2
30 to 34 percent	2 684	106	1 118	505	354	18	29	130	25	25	13	—	79	86	103	15	34.1
35 percent or more	1 333	106	439	279	142	18	22	60	13	7	17	26	48	76	38	42	34.4
Median	2 336	73	588	366	327	112	27	101	36	33	7	24	168	182	154	138	37.9
Not computed	18	—	—	15	17	—	—	8	1	—	2	—	18	5	9	3	38.2
Median	11 981	22.5	21.2	16.9	14.0	19.7	21.7	22.2	18.2	20.0	26.2	32.6	25.4	27.8	22.4	35.2	...
Not mortgaged	11 981	30	237	516	2 595	2 995	17	37	53	252	607	13	56	104	886	2 539	55.4
Less than 10 percent	5 111	9	133	364	2 759	911	14	24	27	129	123	—	24	30	254	310	58.7
10 to 14 percent	2 475	11	74	112	537	963	—	7	18	56	144	—	5	34	206	308	67.0
15 to 19 percent	1 470	—	14	13	164	565	—	3	8	7	109	—	—	23	167	397	70.6
20 to 24 percent	902	6	8	14	40	232	—	—	—	25	103	—	6	—	58	338	73.3
25 to 29 percent	628	4	—	8	49	112	—	—	—	9	38	—	—	12	22	214	71.2
30 to 34 percent	350	—	6	—	16	60	—	—	—	5	22	—	5	—	99	538	75.3
35 percent or more	959	—	2	5	53	152	3	—	—	16	68	5	16	2	3	37	74.8
Median	86	—	—	—	21	—	—	3	—	5	—	8	—	3	9	37	62.5
Not computed	11.7	12.7	10—	10—	13.0	—	10—	10—	10—	10—	16.7	45.0	14.0	13.0	14.5	23.0	...
<b>Renter-occupied housing units</b>																	
<b>PERSONS IN UNIT</b>																	
1 person	7 598	1 366	2 171	629	948	540	1 768	1 716	422	677	408	1 833	1 788	609	1 145	1 725	30.8
2 persons	5 323	705	676	68	531	—	973	1 095	293	576	363	882	783	272	751	1 610	36.2
3 persons	2 423	434	572	133	193	482	592	445	74	69	29	662	511	136	243	100	28.1
4 persons	1 370	154	571	197	108	52	174	125	22	16	9	199	314	90	75	15	27.9
5 persons	637	62	283	131	41	6	29	13	22	7	7	73	97	56	30	—	31.0
6 or more persons	394	11	69	100	75	—	—	22	11	9	—	10	41	27	26	—	32.7
Median	1.74	2.47	3.22	4.08	2.39	2.06	1.41	1.28	1.22	1.09	1.06	1.55	1.72	1.74	1.26	1.04	37.8
Total persons	35 979	3 550	7 125	2 595	2 783	1 122	2 728	2 570	657	837	429	3 173	3 627	1 271	1 699	1 813	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>																	
Complete plumbing for exclusive use	17 193	1 366	2 133	629	895	523	1 698	1 650	403	627	379	1 753	1 762	581	1 120	1 674	30.8
1.01 or more persons per room	289	21	63	25	55	—	4	20	11	9	—	19	19	21	13	9	34.8
Lacking complete plumbing for exclusive use	552	—	38	—	53	17	70	66	19	50	29	80	26	28	25	51	34.1
1.01 or more persons per room	12	—	6	—	—	—	—	—	—	—	—	6	—	—	—	—	25.0
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>																	
<b>Specified renter-occupied housing units</b>																	
Less than 15 percent	16 882	1 289	1 946	526	808	469	1 730	1 630	415	653	400	1 833	1 753	594	1 136	1 700	30.5
15 to 19 percent	2 951	284	454	152	237	78	264	378	179	291	42	162	176	29	124	101	31.7
20 to 24 percent	3 020	302	439	147	182	26	361	418	76	110	35	215	280	107	162	160	29.5
25 to 29 percent	2 982	252	371	57	66	108	299	345	73	54	51	295	376	119	280	236	30.2
30 to 34 percent	1 997	175	229	39	82	60	217	163	23	50	48	200	223	67	165	256	29.8
35 to 39 percent	1 147	86	122	43	7	26	150	80	17	—	39	173	142	41	61	160	28.5
40 to 49 percent	1 810	86	149	35	82	82	145	100	28	69	73	260	233	68	118	260	33.0
50 percent or more	2 321	82	121	19	70	44	256	95	13	61	51	497	280	135	177	420	29.9
Median	654	22	61	12	82	45	38	51	6	18	61	31	43	28	49	107	51.7
Not computed	23.6	20.9	20.7	18.6	18.5	25.0	23.7	19.9	16.7	16.2	29.3	30.8	25.5	27.1	24.6	31.4	...

Table A—11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA

	Total	Male householder						Female householder					
		Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over
<b>Owner-occupied housing units</b> .....	<b>6 678</b>	<b>2 271</b>	<b>199</b>	<b>686</b>	<b>298</b>	<b>439</b>	<b>649</b>	<b>4 407</b>	<b>75</b>	<b>254</b>	<b>159</b>	<b>1 104</b>	<b>2 815</b>
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use .....	6 569	2 219	199	679	294	420	627	4 350	75	254	159	1 102	2 760
Lacking complete plumbing for exclusive use .....	109	52	—	7	4	19	22	57	—	—	—	2	55
<b>UNITS IN STRUCTURE</b>													
1, detached or attached .....	5 560	1 858	104	554	245	331	624	3 702	30	164	136	882	2 490
2 or more .....	578	160	32	50	17	61	—	418	11	33	6	117	251
Mobile home or trailer, etc. ....	540	253	63	82	36	47	25	287	34	57	17	105	74
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000 .....	1 747	266	10	35	16	43	162	1 481	17	12	3	206	1 243
\$5,000 to \$9,999 .....	1 809	425	29	17	24	76	279	1 384	24	41	20	268	1 031
\$10,000 to \$12,499 .....	628	179	21	61	14	43	40	449	5	50	29	228	137
\$12,500 to \$14,999 .....	574	253	41	96	23	54	39	321	11	45	20	111	134
\$15,000 to \$19,999 .....	904	485	61	193	59	96	76	419	13	70	64	189	83
\$20,000 to \$24,999 .....	551	371	34	202	69	49	17	180	5	24	18	55	78
\$25,000 to \$34,999 .....	305	209	3	65	79	35	27	96	—	5	5	47	39
\$35,000 to \$49,999 .....	86	54	—	13	14	24	3	32	—	7	—	—	25
\$50,000 or more .....	74	29	—	4	—	19	6	45	—	—	—	—	45
Median .....	\$9 181	\$15 159	\$14 909	\$18 695	\$20 677	\$15 292	\$7 031	\$7 053	\$9 271	\$13 833	\$15 408	\$10 855	\$5 557
Mean .....	\$12 048	\$15 921	\$14 497	\$18 698	\$19 962	\$18 337	\$9 931	\$10 053	\$9 488	\$13 986	\$15 071	\$11 516	\$8 855
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>													
<b>Specified owner-occupied housing units</b> .....	<b>5 064</b>	<b>1 593</b>	<b>92</b>	<b>497</b>	<b>220</b>	<b>267</b>	<b>517</b>	<b>3 471</b>	<b>30</b>	<b>160</b>	<b>116</b>	<b>813</b>	<b>2 352</b>
<b>With a mortgage</b> .....	<b>1 731</b>	<b>924</b>	<b>89</b>	<b>463</b>	<b>181</b>	<b>143</b>	<b>48</b>	<b>807</b>	<b>30</b>	<b>153</b>	<b>89</b>	<b>307</b>	<b>228</b>
Less than \$200 .....	269	67	6	—	11	21	29	202	—	7	6	87	102
\$200 to \$249 .....	234	113	7	38	25	38	5	121	—	21	14	65	21
\$250 to \$299 .....	296	161	10	88	31	25	7	135	—	37	11	61	26
\$300 to \$349 .....	268	125	22	81	10	12	—	143	5	34	7	59	38
\$350 to \$399 .....	199	127	8	83	24	12	—	72	5	18	19	14	16
\$400 to \$499 .....	302	195	14	116	54	4	7	107	13	36	20	21	17
\$500 to \$599 .....	100	79	22	34	8	15	—	21	7	—	6	—	8
\$600 to \$749 .....	51	45	—	11	18	16	—	6	—	—	6	—	—
\$750 or more .....	12	12	—	12	—	—	—	—	—	—	—	—	—
Median .....	\$312	\$348	\$349	\$365	\$378	\$275	\$181	\$280	\$436	\$317	\$367	\$251	\$229
<b>Not mortgaged</b> .....	<b>3 333</b>	<b>669</b>	<b>3</b>	<b>34</b>	<b>39</b>	<b>124</b>	<b>469</b>	<b>2 664</b>	<b>—</b>	<b>7</b>	<b>27</b>	<b>506</b>	<b>2 124</b>
Less than \$50 .....	27	4	—	—	4	—	—	23	—	—	—	—	23
\$50 to \$74 .....	269	103	—	8	—	28	67	166	—	—	—	32	134
\$75 to \$99 .....	641	123	—	8	25	18	72	518	—	—	7	41	470
\$100 to \$124 .....	940	179	—	—	8	10	161	761	—	7	6	123	625
\$125 to \$149 .....	666	117	3	6	—	26	82	549	—	—	—	125	424
\$150 to \$199 .....	523	87	—	5	—	24	58	436	—	—	10	140	286
\$200 to \$249 .....	159	28	—	7	2	—	19	131	—	—	4	23	104
\$250 or more .....	108	28	—	—	—	18	10	80	—	—	—	22	58
Median .....	\$119	\$115	\$138	\$129	\$90	\$131	\$115	\$121	—	\$113	\$152	\$136	\$117
<b>SELECTED CHARACTERISTICS</b>													
Median selected monthly owner costs as percentage of household income in 1979 .....	23.4	20.8	27.9	24.1	17.9	18.4	18.8	24.9	34.2	25.7	25.1	20.9	26.3
With a mortgage .....	25.5	23.4	27.5	24.8	19.0	21.1	28.1	29.3	34.2	26.1	28.3	24.1	38.8
Not mortgaged .....	21.9	15.8	37.5	10—	10—	11.1	18.1	23.6	—	10—	13.6	17.5	25.1
Income in 1979 below poverty level .....	847	143	7	35	16	38	47	704	17	12	3	111	561
Percent below poverty level .....	12.7	6.3	3.5	5.1	5.4	8.7	7.2	16.0	22.7	4.7	1.9	10.1	19.9
<b>Renter-occupied housing units</b> .....	<b>7 598</b>	<b>3 300</b>	<b>973</b>	<b>1 095</b>	<b>293</b>	<b>576</b>	<b>363</b>	<b>4 298</b>	<b>882</b>	<b>783</b>	<b>272</b>	<b>751</b>	<b>1 610</b>
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use .....	7 246	3 100	929	1 037	274	526	334	4 146	822	777	259	726	1 562
Lacking complete plumbing for exclusive use .....	352	200	44	58	19	50	29	152	60	6	13	25	48
<b>UNITS IN STRUCTURE</b>													
1, detached or attached .....	1 061	531	164	204	28	59	76	530	64	114	20	118	214
2 .....	589	219	58	60	23	51	27	370	56	90	29	86	109
3 and 4 .....	1 242	514	168	136	42	102	66	728	177	144	62	129	216
5 to 9 .....	1 326	635	221	210	56	108	40	691	174	161	67	124	165
10 to 49 .....	2 551	1 092	328	408	125	170	61	1 459	358	267	77	212	545
50 or more .....	774	278	28	63	19	80	88	496	47	7	17	66	359
Mobile home or trailer, etc. ....	55	31	6	14	—	6	5	24	6	—	—	16	2
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000 .....	1 987	557	178	107	8	104	160	1 430	258	88	43	139	902
\$5,000 to \$9,999 .....	1 969	615	286	108	23	97	101	1 354	342	227	85	260	440
\$10,000 to \$12,499 .....	1 182	502	219	156	54	34	39	680	214	191	59	144	72
\$12,500 to \$14,999 .....	642	329	77	135	19	52	46	313	31	113	26	57	86
\$15,000 to \$19,999 .....	1 079	694	168	378	63	73	12	385	37	127	46	120	55
\$20,000 to \$24,999 .....	407	342	28	163	69	82	—	65	—	18	5	25	17
\$25,000 to \$34,999 .....	237	204	12	31	51	105	5	33	—	—	8	6	19
\$35,000 to \$49,999 .....	46	23	—	6	—	17	—	23	—	12	—	—	11
\$50,000 or more .....	49	34	5	11	6	12	—	15	—	7	—	—	8
Median .....	\$9 585	\$12 380	\$10 257	\$15 383	\$18 493	\$15 069	\$5 736	\$7 686	\$7 716	\$11 001	\$10 339	\$9 494	\$4 683
Mean .....	\$10 633	\$13 309	\$10 307	\$14 980	\$18 152	\$16 566	\$7 240	\$8 577	\$7 443	\$11 757	\$10 304	\$9 841	\$6 771
<b>GROSS RENT</b>													
<b>Specified renter-occupied housing units</b> .....	<b>7 499</b>	<b>3 227</b>	<b>967</b>	<b>1 053</b>	<b>286</b>	<b>566</b>	<b>355</b>	<b>4 272</b>	<b>882</b>	<b>783</b>	<b>272</b>	<b>742</b>	<b>1 593</b>
Less than \$100 .....	810	240	11	15	27	103	84	570	31	6	8	97	428
\$100 to \$149 .....	796	261	92	74	14	41	40	535	94	51	35	91	264
\$150 to \$199 .....	1 616	632	177	144	51	162	98	984	217	183	105	165	314
\$200 to \$249 .....	2 004	928	336	366	68	107	49	1 076	336	271	44	175	250
\$250 to \$299 .....	1 111	517	215	198	54	41	9	574	170	140	36	92	147
\$300 to \$349 .....	593	411	97	166	33	82	33	182	1	78	7	43	36
\$350 to \$399 .....	241	103	25	53	13	12	—	138	1	35	23	21	52
\$400 to \$499 .....	114	51	6	26	14	—	5	63	—	5	—	23	35
\$500 or more .....	17	12	—	—	6	6	—	5	—	—	—	—	5
No cash rent .....	197	72	8	11	6	10	37	125	—	14	14	35	62
Median .....	\$211	\$227	\$233	\$240	\$241	\$191	\$167	\$199	\$215	\$222	\$193	\$200	\$159
<b>SELECTED CHARACTERISTICS</b>													
Median gross rent as percentage of household income in 1979 .....	25.4	22.1	27.4	20.5	16.2	16.2	29.3	28.0	32.8	24.5	22.6	24.2	31.2
Income in 1979 below poverty level .....	1 206	363	130	81	8	72	72	843	189	57	43	112	442
Percent below poverty level .....	15.9	11.0	13.4	7.4	2.7	12.5	19.8	19.6	21.4	7.3	15.8	14.9	27.5



Table A—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

The SMSA					The SMSA				
	Total	Less than 2 months	2 up to 6 months	6 or more months		Total	Less than 2 months	2 up to 6 months	6 or more months
Vacant for sale only housing units	594	342	138	114	Vacant for rent housing units	1 325	755	381	189
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	1	—	1	—	1 room	42	38	4	—
4 rooms	153	110	35	8	2 rooms	119	73	35	11
5 rooms	186	102	41	43	3 rooms	336	218	82	36
6 rooms	113	52	35	26	4 rooms	509	265	133	111
7 rooms	77	53	13	11	5 rooms	157	94	45	18
8 or more rooms	64	25	13	26	6 rooms	115	54	55	6
Median	5.3	5.1	5.3	5.7	7 or more rooms	47	13	27	7
					Median	3.8	3.7	4.0	3.9
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
Complete plumbing for exclusive use	589	339	138	112	Complete plumbing for exclusive use	1 291	739	373	179
Lacking complete plumbing for exclusive use	5	3	—	2	Lacking complete plumbing for exclusive use	34	16	8	10
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None	—	—	—	—	None	69	50	19	—
1	52	44	8	—	1	514	307	136	71
2	245	154	55	36	2	542	309	129	104
3	249	128	69	52	3	179	81	93	5
4	40	16	6	18	4	8	8	—	—
5 or more	8	—	—	8	5 or more	13	—	4	9
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1975 to March 1980	233	162	42	29	1975 to March 1980	294	200	74	20
1970 to 1974	52	10	27	15	1970 to 1974	84	50	24	10
1960 to 1969	87	64	12	11	1960 to 1969	276	126	97	53
1950 to 1959	59	26	17	16	1950 to 1959	125	83	35	7
1940 to 1949	39	26	7	6	1940 to 1949	148	105	24	19
1939 or earlier	124	54	33	37	1939 or earlier	398	191	127	80
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1, detached or attached	438	209	129	100	1, detached or attached	300	142	115	43
2 or more	143	123	9	11	2	141	80	27	34
Mobile home or trailer	13	10	—	3	3 and 4	219	160	52	7
					5 to 9	212	115	49	48
<b>HEATING EQUIPMENT</b>					10 to 49	336	165	133	38
Central heating system	582	339	131	112	50 or more	87	82	5	—
Other means	12	3	7	2	Mobile home or trailer	30	11	—	19
None	—	—	—	—					
<b>PRICE ASKED</b>					<b>RENT ASKED</b>				
Specified vacant for sale only housing units	403	203	105	95	Specified vacant for rent housing units	1 305	735	381	189
Less than \$10,000	9	3	3	3	Less than \$100	78	45	29	4
\$10,000 to \$19,999	6	—	—	6	\$100 to \$149	137	47	51	39
\$20,000 to \$29,999	31	8	14	9	\$150 to \$199	324	202	76	46
\$30,000 to \$39,999	58	37	19	2	\$200 to \$249	338	220	72	46
\$40,000 to \$49,999	53	24	19	10	\$250 to \$299	282	128	100	54
\$50,000 to \$59,999	39	21	—	18	\$300 to \$399	129	85	44	—
\$60,000 to \$79,999	116	60	30	26	\$400 or more	17	8	9	—
\$80,000 to \$99,999	63	33	9	21	Median	\$215	\$214	\$220	\$215
\$100,000 or more	28	17	11	—					
Median	\$60 500	\$61 300	\$49 100	\$59 900					

Table A—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Price asked—Specified vacant for sale only housing units								Rent asked—Specified vacant for rent housing units							
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)		Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)
<b>The SMSA</b>															
Total	403	9	37	111	218	28	60 500	1 305	78	461	620	129	17	215	
<b>PLUMBING FACILITIES</b>															
Complete plumbing for exclusive use	398	6	35	111	218	28	60 800	1 271	65	440	620	129	17	217	
Lacking complete plumbing for exclusive use	5	3	2	—	—	—	10 000—	34	13	21	—	—	—	117	
<b>BEDROOMS</b>															
None	—	—	—	—	—	—	—	69	17	41	11	—	—	130	
1	13	3	1	9	—	—	31 400	514	33	263	184	34	—	190	
2	121	—	28	47	46	—	42 800	533	4	87	389	36	17	252	
3	226	3	6	39	152	26	67 500	172	24	59	32	57	—	227	
4	35	3	2	16	12	2	45 600	4	—	2	—	2	—	215	
5 or more	8	—	—	—	8	—	92 000	13	—	9	4	—	—	126	
<b>YEAR STRUCTURE BUILT</b>															
1975 to March 1980	128	—	—	2	124	2	77 400	294	9	36	170	62	17	229	
1970 to 1974	39	—	7	—	23	9	71 300	77	—	21	54	2	—	260	
1960 to 1969	55	—	—	15	23	17	63 700	276	—	55	180	41	—	277	
1950 to 1959	52	—	—	46	6	—	37 000	121	9	46	57	9	—	205	
1940 to 1949	39	—	4	16	19	—	44 800	143	—	84	57	2	—	192	
1939 or earlier	90	9	26	32	23	—	40 600	394	60	219	102	13	—	161	
<b>UNITS IN STRUCTURE</b>															
1, detached or attached	403	9	37	111	218	28	60 500	280	28	118	120	14	—	198	
2 or more	—	—	—	—	—	—	—	995	50	334	479	115	17	218	
Mobile home or trailer	—	—	—	—	—	—	—	30	—	9	21	—	—	264	



Table B-1. Value of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Cedar Rapids city	Total	Less than \$10,000	\$10,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$59,999	\$60,000 to \$79,999	\$80,000 to \$99,999	\$100,000 to \$149,999	\$150,000 or more	Median (dollars)	Mean (dollars)
Specified owner-occupied housing units -----	25 591	142	1 442	3 348	4 997	5 413	4 461	3 600	1 219	767	202	45 300	49 100
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>													
Married-couple families -----	19 300	67	763	1 843	3 358	4 283	3 738	3 215	1 145	705	183	48 400	52 600
15 to 24 years -----	695	10	10	80	208	199	121	54	13	—	—	42 100	42 900
25 to 34 years -----	4 687	12	95	310	678	1 265	1 187	796	202	130	12	49 900	52 300
35 to 44 years -----	3 958	10	62	284	502	787	859	869	318	209	58	53 300	58 900
45 to 64 years -----	7 298	13	314	642	1 285	1 591	1 234	1 284	562	303	70	48 700	53 800
65 years and over -----	2 662	22	282	527	685	441	337	212	50	63	43	37 500	43 400
Male householder, no wife present -----	1 874	29	201	366	466	375	278	105	17	22	15	37 400	40 000
15 to 24 years -----	127	—	5	14	42	35	23	8	—	—	—	40 700	41 400
25 to 34 years -----	584	—	14	108	145	139	131	37	—	10	—	41 800	42 700
35 to 44 years -----	252	—	—	19	65	83	56	25	—	4	—	45 800	46 300
45 to 64 years -----	397	8	80	75	83	58	42	17	11	8	15	34 400	42 600
65 years and over -----	514	21	102	150	131	60	26	18	6	—	—	28 500	31 500
Female householder, no husband present -----	4 417	46	478	1 139	1 173	755	445	280	57	40	4	34 500	37 500
15 to 24 years -----	73	—	8	4	45	5	9	2	—	—	—	33 100	35 200
25 to 34 years -----	482	—	27	73	185	100	58	33	6	—	—	38 000	39 900
35 to 44 years -----	499	—	14	79	125	111	93	61	6	6	4	42 700	46 000
45 to 64 years -----	1 231	7	106	277	354	214	140	109	19	5	—	35 500	38 900
65 years and over -----	2 132	39	323	706	464	325	145	75	26	29	—	30 000	34 300
Median age -----	48.3	66.8	64.5	59.7	52.5	44.8	41.3	44.1	46.6	46.3	49.8	...	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>													
1979 to March 1980 -----	2 749	9	25	193	424	574	576	582	202	128	36	52 200	57 200
1975 to 1978 -----	6 742	18	209	569	1 149	1 368	1 451	1 218	427	297	36	50 300	53 900
1970 to 1974 -----	4 060	28	248	527	714	899	690	577	237	96	44	46 200	49 800
1960 to 1969 -----	6 137	27	288	741	1 127	1 446	899	265	191	47	47	46 000	49 600
1959 or earlier -----	5 903	60	672	1 318	1 583	1 126	638	324	88	55	39	35 600	38 900
<b>ROOMS</b>													
1 to 3 rooms -----	322	19	103	88	60	37	—	6	—	9	—	22 400	27 600
4 rooms -----	2 718	36	401	842	951	358	103	23	—	—	4	30 700	30 800
5 rooms -----	6 933	54	468	1 244	1 821	1 805	1 015	463	57	6	—	39 300	39 700
6 rooms -----	6 478	28	747	1 324	1 842	1 288	837	91	74	—	—	45 400	45 800
7 rooms -----	4 454	5	136	315	597	863	1 069	1 008	328	113	20	52 500	55 100
8 or more rooms -----	4 686	—	87	112	244	508	986	1 263	743	565	178	65 500	74 000
Median -----	5.9	4.8	5.0	5.1	5.3	5.8	6.4	7.0	7.9	8.2	8.5 +	...	...
<b>BEDROOMS</b>													
None -----	10	3	—	—	—	7	—	—	—	—	—	41 400	32 000
1 -----	776	47	205	224	208	53	10	20	—	9	—	24 800	27 300
2 -----	6 577	57	767	1 820	1 958	1 073	592	224	71	11	4	33 100	35 000
3 -----	13 220	30	349	1 109	2 348	3 479	2 822	2 318	472	262	31	48 000	50 200
4 -----	4 192	—	93	181	433	712	824	907	566	386	90	57 700	65 700
5 or more -----	816	5	28	14	50	89	213	131	110	99	77	61 200	80 100
<b>YEAR STRUCTURE BUILT</b>													
1975 to March 1980 -----	1 942	5	6	42	35	115	316	774	348	264	37	72 000	76 900
1970 to 1974 -----	1 615	—	1	18	124	373	550	317	160	72	—	53 500	59 600
1960 to 1969 -----	5 720	7	60	192	422	1 429	1 671	1 360	331	215	33	53 900	57 700
1950 to 1959 -----	6 200	—	117	692	1 738	1 868	956	618	102	73	36	42 800	45 900
1940 to 1949 -----	2 338	28	190	491	654	467	331	128	22	—	27	37 100	39 600
1939 or earlier -----	7 776	102	1 068	1 913	2 024	1 161	637	403	256	143	69	33 600	39 000
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000 -----	1 483	37	315	504	236	171	108	81	18	13	—	27 200	32 200
\$5,000 to \$9,999 -----	2 335	42	365	688	687	318	112	92	24	7	—	30 900	32 600
\$10,000 to \$12,499 -----	1 196	—	92	268	392	226	124	59	30	1	4	36 600	38 800
\$12,500 to \$14,999 -----	1 493	10	169	320	471	241	203	63	12	4	—	34 400	36 800
\$15,000 to \$19,999 -----	3 502	30	180	579	895	860	639	248	35	36	—	40 800	41 800
\$20,000 to \$24,999 -----	4 303	10	142	431	860	1 120	952	626	103	59	—	46 700	47 800
\$25,000 to \$34,999 -----	6 601	13	144	410	1 044	1 827	1 428	1 261	359	104	11	49 200	51 800
\$35,000 to \$49,999 -----	3 254	—	28	87	344	544	732	860	407	223	29	57 900	63 200
\$50,000 or more -----	1 424	—	7	61	68	106	163	310	231	320	158	79 800	92 800
Median -----	\$23 248	\$8 333	\$11 114	\$14 172	\$18 946	\$23 995	\$25 491	\$29 247	\$35 642	\$44 003	\$75 000 +	...	...
Mean -----	\$25 242	\$10 995	\$13 343	\$16 409	\$20 006	\$24 146	\$26 816	\$31 536	\$39 319	\$52 897	\$88 583	...	...
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>													
With a mortgage -----	17 105	48	512	1 561	2 961	3 911	3 439	2 927	1 044	582	120	48 900	52 700
Less than 15 percent -----	5 852	15	154	568	1 035	1 500	1 090	916	308	199	67	47 900	52 300
15 to 19 percent -----	3 844	19	139	313	591	944	836	684	182	108	28	49 100	52 400
20 to 24 percent -----	3 065	—	44	203	542	755	618	548	268	68	19	49 900	54 200
25 to 29 percent -----	1 810	—	57	158	310	325	387	358	134	81	—	51 000	53 600
30 to 34 percent -----	895	—	19	90	196	129	211	128	67	55	—	50 500	53 700
35 percent or more -----	1 593	14	94	223	267	258	282	293	85	71	6	47 300	51 000
Not computed -----	46	—	5	6	20	—	15	—	—	—	—	34 600	37 800
Median -----	18.5	17.4	18.6	18.3	18.7	17.4	18.7	19.0	20.6	19.3	13.8	...	...
Not mortgaged -----	8 486	94	930	1 787	2 036	1 502	1 022	673	175	185	82	36 900	41 800
Less than 10 percent -----	644	36	281	531	850	749	529	372	104	136	56	41 400	47 600
10 to 14 percent -----	1 835	12	207	296	458	322	278	175	31	45	11	38 400	42 600
15 to 19 percent -----	1 035	—	127	307	287	171	90	35	11	1	6	32 900	36 100
20 to 24 percent -----	626	18	121	209	117	101	22	23	10	—	5	26 900	32 700
25 to 29 percent -----	435	10	21	125	152	59	35	23	6	—	4	34 200	37 200
30 to 34 percent -----	239	6	47	82	44	31	12	17	—	—	—	26 900	31 300
35 percent or more -----	607	5	103	226	122	58	52	28	13	—	—	28 200	32 800
Not computed -----	65	7	23	11	6	11	4	—	—	3	—	21 300	29 500
Median -----	11.5	13.1	14.2	16.0	11.8	10.0	10.0	10.0	10.0	10.0	10.0	...	...
<b>SELECTED CHARACTERISTICS</b>													
Complete plumbing for exclusive use -----	25 526	142	1 412	3 320	4 997	5 413	4 461	3 593	1 219	767	202	45 400	49 200
1.01 or more persons per room -----	372	7	28	97	100	75	40	18	—	7	—	33 600	37 300
Lacking complete plumbing for exclusive use -----	65	—	30	28	—	—	—	7	—	—	—	23 000	25 300
1.01 or more persons per room -----	—	—	—	—	—	—	—	—	—	—	—	—	—
Heating equipment -----	25 591	142	1 442	3 348	4 997	5 413	4 461	3 600	1 219	767	202	45 300	49 100
Central heating system -----	25 090	99	1 306	3 202	4 929	5 382	4 426	3 576	1 201	767	202	45 600	49 500
Air conditioning -----	19 564	38	788	2 041	3 494	4 102	3 717	3 290	1 182	729	183	48 300	52 600
Central system -----	11 207	5	111	515	1 158	2 142	2 602	2 833	1 027	679	135	55 600	61 500
Income in 1979 below poverty level -----	1 034	31	192	323	163	123	99	72	18	13	—	29 000	34 400
Percent below poverty level -----	4.0	21.8	13.3	9.6	3.3	2.3	2.2	2.0	1.5	1.7	—	...	...

Table B—2. Gross Rent of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## Cedar Rapids city

	Total	Less than \$100	\$100 to \$149	\$150 to \$199	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 or more	No cash rent	Median (dollars)
Specified renter-occupied housing units.....	13 177	822	907	2 014	2 800	2 515	1 860	976	751	228	304	248
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families.....	3 550	59	124	266	595	791	691	445	349	122	108	293
15 to 24 years.....	881	7	7	66	154	275	214	105	53	—	—	289
25 to 34 years.....	1 336	5	13	77	258	290	268	190	163	45	27	302
35 to 44 years.....	378	—	8	12	51	110	46	49	59	35	8	304
45 to 64 years.....	606	28	30	84	79	71	124	66	59	18	47	293
65 years and over.....	349	19	66	27	53	45	39	35	15	24	26	247
Male householder, no wife present.....	3 770	214	238	636	855	636	667	239	181	37	67	245
15 to 24 years.....	1 324	6	78	196	387	261	228	95	66	7	—	249
25 to 34 years.....	1 215	15	68	167	267	242	265	99	67	4	21	270
35 to 44 years.....	346	27	15	66	44	61	59	28	29	11	6	276
45 to 64 years.....	560	93	39	144	108	57	82	17	14	6	—	202
65 years and over.....	325	73	38	63	49	15	33	—	5	9	40	177
Female householder, no husband present.....	5 857	549	545	1 112	1 350	1 088	502	292	221	69	129	224
15 to 24 years.....	1 508	65	141	301	433	334	127	55	42	10	—	232
25 to 34 years.....	1 453	24	70	241	371	344	174	119	58	31	21	251
35 to 44 years.....	468	15	33	114	76	79	57	42	26	12	14	243
45 to 64 years.....	1 012	99	92	178	219	193	116	17	52	5	41	228
65 years and over.....	1 416	346	209	278	251	138	28	59	43	11	53	169
Median age.....	31.2	66.2	49.5	34.0	28.5	29.0	28.8	29.4	31.2	38.4	60.5	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980.....	6 994	249	348	967	1 372	1 391	1 167	704	557	180	59	269
1975 to 1978.....	4 048	319	289	586	1 011	761	535	243	181	44	79	239
1970 to 1974.....	1 268	176	145	291	232	244	67	22	5	4	82	197
1960 to 1969.....	579	52	74	100	126	96	75	7	8	—	41	224
1959 or earlier.....	288	26	51	70	59	23	16	—	—	—	43	175
<b>ROOMS</b>												
1 room.....	521	202	153	114	39	7	6	—	—	—	—	115
2 rooms.....	1 178	261	168	273	304	95	31	27	7	3	9	176
3 rooms.....	3 428	226	333	819	984	579	279	97	38	21	52	216
4 rooms.....	4 153	100	126	502	852	1 045	836	347	204	49	92	272
5 rooms.....	2 058	28	99	180	422	429	437	223	166	9	65	280
6 rooms.....	1 060	—	22	46	142	221	183	196	168	54	28	323
7 or more rooms.....	779	5	6	80	57	139	88	86	168	92	58	342
Median.....	3.9	2.3	2.9	3.3	3.6	4.1	4.2	4.6	5.3	6.1	4.5	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM AND POVERTY STATUS IN 1979</b>												
All income levels in 1979.....	13 177	822	907	2 014	2 800	2 515	1 860	976	751	228	304	248
Complete plumbing for exclusive use.....	12 717	650	822	1 935	2 754	2 475	1 849	967	744	217	304	251
0.50 or less.....	8 672	454	543	1 429	2 005	1 690	1 201	581	415	117	237	245
0.51 to 1.00.....	3 825	196	272	482	694	746	625	359	312	81	58	265
1.01 to 1.50.....	186	—	—	12	55	35	17	27	17	14	9	286
1.51 or more.....	34	—	7	12	—	4	—	—	—	5	—	167
Lacking complete plumbing for exclusive use.....	460	172	85	79	46	40	11	9	7	11	—	125
0.50 or less.....	216	59	48	33	37	14	7	—	7	11	—	151
0.51 to 1.00.....	232	113	37	40	9	20	4	—	—	—	—	102
1.01 to 1.50.....	6	—	—	—	—	6	—	—	—	—	—	263
1.51 or more.....	6	—	—	6	—	—	—	—	—	—	—	185
Income in 1979 below poverty level.....	2 187	395	255	389	396	322	251	77	39	19	44	204
Complete plumbing for exclusive use.....	2 028	328	239	350	383	309	240	77	39	19	44	208
1.01 or more persons per room.....	65	—	—	—	31	—	18	—	11	5	—	304
Lacking complete plumbing for exclusive use.....	159	67	16	39	13	13	11	—	—	—	—	116
1.01 or more persons per room.....	6	—	—	6	—	—	—	—	—	—	—	185
<b>BEDROOMS</b>												
None.....	903	351	248	236	55	7	6	—	—	—	—	123
1.....	5 155	385	464	1 317	1 600	786	346	123	53	10	71	212
2.....	5 246	81	149	341	959	1 307	1 243	594	355	88	129	289
3.....	1 461	—	35	71	151	356	226	243	255	56	68	318
4.....	364	5	11	44	35	47	39	16	73	65	29	333
5 or more.....	48	—	—	5	—	12	—	—	15	9	7	423
<b>UNITS IN STRUCTURE</b>												
1, detached or attached.....	3 299	56	123	295	541	589	583	327	431	137	217	295
2.....	1 277	33	131	343	364	159	124	88	28	—	7	216
3 and 4.....	1 535	172	189	520	266	256	47	46	17	—	22	187
5 to 9.....	1 762	117	147	388	331	318	239	132	83	3	4	234
10 to 49.....	4 003	245	147	316	950	1 015	774	334	141	48	33	213
50 or more.....	1 241	199	144	146	333	170	93	49	51	40	16	222
Mobile home or trailer, etc.....	60	—	26	6	15	8	—	—	—	—	5	153
<b>YEAR STRUCTURE BUILT</b>												
1975 to March 1980.....	2 035	122	68	58	206	437	496	323	229	72	24	312
1970 to 1974.....	1 598	108	71	57	308	490	313	121	73	47	10	272
1960 to 1969.....	2 797	162	34	213	845	634	462	190	122	67	68	259
1950 to 1949.....	1 467	41	62	287	351	251	176	121	123	21	34	246
1940 to 1939.....	1 394	36	118	347	306	187	159	108	99	10	24	229
1939 or earlier.....	3 886	353	554	1 052	784	516	254	113	105	11	144	194
<b>STORIES IN STRUCTURE</b>												
1 to 3.....	12 461	672	792	1 881	2 722	2 447	1 800	943	709	200	295	250
4 or more.....	716	150	115	133	78	68	60	33	42	28	9	183
With elevator.....	566	130	97	96	50	52	43	19	42	28	9	182
<b>GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>												
Less than 15 percent.....	2 224	200	179	402	515	435	250	146	68	29	...	234
15 to 19 percent.....	2 303	67	178	329	464	589	349	156	141	30	...	260
20 to 24 percent.....	2 312	202	139	284	498	470	376	176	119	48	...	254
25 to 29 percent.....	1 547	170	98	219	313	226	238	154	109	20	...	246
30 to 34 percent.....	962	41	47	159	180	203	135	104	67	26	...	263
35 to 49 percent.....	1 449	73	131	270	276	186	257	123	115	18	...	246
50 percent or more.....	1 900	57	126	310	500	382	239	110	125	51	...	246
Not computed.....	480	12	9	41	54	24	16	7	7	6	304	222
Median.....	23.9	23.4	23.3	24.5	24.0	22.4	24.3	25.2	27.0	26.0	...	...
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment.....	13 172	822	907	2 014	2 800	2 510	1 860	976	751	228	304	248
Central heating system.....	12 629	774	829	1 911	2 690	2 443	1 805	963	714	228	272	250
Air conditioning.....	8 406	431	387	818	1 773	1 960	1 377	759	524	205	172	267
Central system.....	4 003	84	103	129	600	1 084	888	530	367	144	74	298



Table B—3. Income and Poverty Status in 1979 of Owner-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Cedar Rapids city	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
Owner-occupied housing units	28 343	1 695	2 682	1 413	1 712	3 889	4 652	7 132	3 559	1 609	22 983	25 131	1 221
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families	20 855	313	999	782	1 031	2 728	3 881	6 388	3 273	1 460	25 840	28 634	391
15 to 24 years	828	4	34	22	50	209	247	230	26	6	22 102	21 899	11
25 to 34 years	4 993	32	78	114	205	935	1 315	1 696	450	168	24 364	26 087	74
35 to 44 years	4 205	50	51	89	105	409	727	1 617	840	317	28 750	30 961	84
45 to 64 years	7 889	85	235	156	209	751	1 290	2 577	1 769	817	29 404	32 950	119
65 years and over	2 940	142	601	401	462	424	302	268	188	152	14 264	19 944	103
Male householder, no wife present	2 350	169	348	184	210	463	374	402	142	58	18 178	19 384	118
15 to 24 years	223	—	17	18	29	51	42	58	8	—	19 635	20 351	—
25 to 34 years	717	21	16	57	73	168	203	125	40	14	20 625	21 670	37
35 to 44 years	326	7	13	20	12	50	59	111	44	10	25 172	25 633	7
45 to 64 years	507	41	72	36	71	98	54	65	47	23	17 878	20 207	41
65 years and over	577	100	230	53	25	96	16	43	3	11	7 883	11 914	33
Female householder, no husband present	5 138	1 213	1 335	447	471	698	397	342	144	91	10 117	13 541	712
15 to 24 years	123	28	25	15	6	29	11	9	—	—	11 417	11 802	32
25 to 34 years	577	82	67	68	74	167	41	48	18	12	14 916	15 948	98
35 to 44 years	539	70	78	77	57	119	78	39	15	6	14 452	15 091	94
45 to 64 years	1 466	164	302	168	151	288	169	144	54	26	14 139	16 143	106
65 years and over	2 433	869	863	119	183	95	98	102	57	47	6 514	11 147	382
Median age	48.4	71.9	68.8	58.9	56.5	39.9	39.8	42.8	47.7	50.8	...	...	60.0
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980	3 363	85	167	179	186	697	618	900	383	148	22 833	25 806	113
1975 to 1978	7 655	151	322	280	407	1 188	1 584	2 422	820	481	24 691	26 896	206
1970 to 1974	4 453	259	376	215	234	664	757	1 034	636	278	22 739	25 803	245
1960 to 1969	6 516	312	574	304	337	716	928	1 716	1 175	454	25 448	27 650	223
1959 or earlier	6 356	888	1 243	435	548	624	765	1 060	545	248	15 508	19 594	434
SELECTED CHARACTERISTICS													
Complete plumbing for exclusive use	28 241	1 648	2 658	1 413	1 701	3 889	4 637	7 127	3 559	1 609	23 033	25 192	1 173
1.01 or more persons per room	396	12	15	10	22	23	86	150	44	34	26 705	30 158	30
Locking complete plumbing for exclusive use	102	47	24	—	11	—	15	5	—	—	5 526	8 092	48
1.01 or more persons per room	—	—	—	—	—	—	—	—	—	—	—	—	—
Heating equipment	28 343	1 695	2 682	1 413	1 712	3 889	4 652	7 132	3 559	1 609	22 983	25 131	1 221
Central heating system	27 786	1 541	2 553	1 376	1 663	3 853	4 607	7 065	3 519	1 609	23 163	25 365	1 103
Air conditioning	21 582	893	1 769	1 095	1 239	2 615	3 512	5 769	3 195	1 495	24 531	27 018	611
Central system	12 449	285	641	461	545	1 275	2 007	3 605	2 409	1 221	27 368	30 954	225
Vehicles available	26 717	1 024	2 073	1 301	1 629	3 836	4 605	7 104	3 553	1 592	23 796	26 177	905
1	8 338	770	1 519	779	881	1 513	1 286	1 147	287	156	15 677	17 950	585
2 or more	18 379	254	554	522	748	2 323	3 319	5 957	3 266	1 436	26 935	29 909	320
House heating fuel	28 343	1 695	2 682	1 413	1 712	3 889	4 652	7 132	3 559	1 609	22 983	25 131	1 221
Utility gas	27 630	1 585	2 600	1 382	1 685	3 805	4 567	6 966	3 460	1 580	23 016	25 198	1 141
Bottled, tank, or LP gas	129	24	15	—	7	27	34	18	4	—	18 482	16 966	24
Electricity	329	48	27	12	—	37	28	80	68	29	25 781	27 331	29
Fuel oil, kerosene, etc.	172	22	40	13	8	12	15	51	11	—	18 125	18 534	11
Other	83	16	—	6	12	8	8	17	16	—	17 344	20 254	16
Median rooms	5.9	5.0	5.0	5.2	5.3	5.5	5.9	6.2	6.7	7.3	...	...	5.2
Specified owner-occupied housing units	25 591	1 483	2 335	1 196	1 493	3 502	4 303	6 601	3 254	1 424	23 248	25 242	1 034
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS													
With a mortgage	17 105	408	665	524	757	2 579	3 346	5 308	2 538	980	25 393	27 559	510
Less than \$200	831	113	140	55	116	135	127	82	56	7	14 817	16 512	97
\$200 to \$249	2 077	57	118	137	145	311	465	612	211	21	23 123	23 149	55
\$250 to \$299	2 649	56	131	104	120	450	586	777	331	94	24 022	24 967	81
\$300 to \$349	2 759	45	131	69	135	532	509	815	433	90	24 312	26 135	74
\$350 to \$399	2 135	45	41	20	92	464	434	698	275	66	24 444	25 868	64
\$400 to \$499	3 124	56	58	74	72	473	663	1 118	454	156	25 843	28 143	77
\$500 to \$599	1 779	20	34	36	36	128	386	775	249	115	27 125	29 413	41
\$600 to \$749	1 072	6	5	17	36	81	153	322	275	177	30 969	37 240	11
\$750 or more	679	10	7	12	5	5	23	109	254	254	35 986	52 949	10
Median	\$356	\$280	\$278	\$284	\$299	\$337	\$349	\$376	\$393	\$549	...	...	\$315
Not mortgaged	8 486	1 075	1 670	672	736	923	957	1 293	716	444	15 470	20 571	524
Less than \$50	33	26	7	—	—	—	—	—	—	—	2500—	2 167	26
\$50 to \$74	305	138	103	19	13	19	—	6	7	—	5 533	7 716	64
\$75 to \$99	908	242	333	88	73	65	40	48	19	—	7 541	10 353	97
\$100 to \$124	1 931	320	495	178	166	253	171	250	45	53	12 114	16 243	127
\$125 to \$149	2 001	173	407	180	244	210	268	337	135	47	14 964	18 802	103
\$150 to \$199	2 192	125	258	176	197	306	358	373	294	105	20 445	22 715	69
\$200 to \$249	609	33	38	25	31	36	101	195	95	55	26 910	29 894	20
\$250 or more	507	18	29	6	12	34	19	84	121	184	38 942	50 799	18
Median	\$138	\$110	\$120	\$132	\$137	\$140	\$150	\$151	\$176	\$215	...	...	\$115
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
With a mortgage	17 105	408	665	524	757	2 579	3 346	5 308	2 538	980	25 393	27 559	510
Less than 15 percent	5 852	—	—	7	34	204	887	2 248	1 689	783	32 678	37 132	7
15 to 19 percent	3 844	—	12	28	126	595	885	1 626	443	129	26 124	27 712	—
20 to 24 percent	3 065	13	37	98	169	679	815	958	233	63	23 369	24 632	5
25 to 29 percent	1 810	—	75	107	173	540	462	323	125	5	20 099	20 941	4
30 to 34 percent	895	—	79	93	69	330	201	100	23	—	17 763	18 443	11
35 percent or more	1 593	349	462	191	186	231	96	53	25	—	9 849	11 131	437
Not computed	46	46	—	—	—	—	—	—	—	—	2500—	—	46
Median	18.5	50+	42.0	31.2	26.4	23.6	19.4	16.2	12.7	10.1	...	...	50+
Not mortgaged	8 486	1 075	1 670	672	736	923	957	1 293	716	444	15 470	20 571	524
Less than 10 percent	3 644	7	22	61	122	450	719	1 133	686	444	28 542	34 210	7
10 to 14 percent	1 835	—	241	332	450	407	226	149	30	—	14 414	15 942	7
15 to 19 percent	1 035	65	539	224	152	37	12	6	—	—	9 366	9 870	21

Table B—4. Income and Poverty Status in 1979 of Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.]

Cedar Rapids city	Household income in 1979												Income in 1979 below poverty level
	Total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$12,499	\$12,500 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$24,999	\$25,000 to \$34,999	\$35,000 to \$49,999	\$50,000 or more	Median (dollars)	Mean (dollars)	
Renter-occupied housing units -----	13 304	2 480	2 748	1 633	1 173	2 295	1 435	1 098	320	122	12 180	13 933	2 195
HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER													
Married-couple families -----	3 606	140	560	381	316	892	689	511	77	40	16 956	17 899	220
15 to 24 years -----	892	37	104	92	116	277	193	65	8	—	16 865	16 777	55
25 to 34 years -----	1 351	54	181	120	114	385	286	192	11	8	17 274	17 840	100
35 to 44 years -----	378	—	28	29	19	100	104	73	11	14	20 650	21 765	9
45 to 64 years -----	628	36	129	78	11	77	101	147	34	15	18 786	19 324	49
65 years and over -----	357	13	118	62	56	53	5	34	13	3	11 915	14 322	7
Male householder, no wife present -----	3 809	548	587	511	343	706	515	375	157	67	14 384	15 971	460
15 to 24 years -----	1 341	193	302	252	114	209	129	68	69	5	11 741	13 797	202
25 to 34 years -----	1 229	95	100	155	138	345	214	122	49	11	16 323	17 419	108
35 to 44 years -----	346	8	32	42	13	65	84	67	16	19	20 542	21 656	8
45 to 64 years -----	568	103	87	35	34	75	81	107	23	23	16 250	17 994	79
65 years and over -----	325	149	66	27	44	12	7	11	—	9	5 804	9 877	63
Female householder, no husband present -----	5 889	1 792	1 601	741	514	697	231	212	86	15	8 693	10 188	1 515
15 to 24 years -----	1 508	473	429	215	110	125	54	83	19	—	8 458	9 856	524
25 to 34 years -----	1 471	231	408	239	119	261	92	70	44	7	11 009	12 865	305
35 to 44 years -----	475	112	100	87	68	89	11	8	—	—	10 733	10 327	117
45 to 64 years -----	1 014	183	323	134	134	156	46	26	12	—	10 019	10 916	169
65 years and over -----	1 421	793	341	66	83	66	28	25	11	8	4 686	7 202	400
Median age -----	31.2	47.8	32.0	28.8	31.1	29.4	29.6	33.3	29.2	43.8	...	...	29.7
YEAR HOUSEHOLDER MOVED INTO UNIT													
1979 to March 1980 -----	7 033	1 256	1 466	924	589	1 193	812	528	176	89	12 150	14 160	1 311
1975 to 1978 -----	4 084	639	764	435	420	785	523	408	95	15	13 714	14 587	543
1970 to 1974 -----	1 296	365	284	189	107	199	63	55	30	4	9 982	11 201	251
1960 to 1969 -----	579	148	156	54	30	54	31	101	5	—	9 568	12 960	72
1959 or earlier -----	312	72	78	31	27	64	6	6	14	14	10 484	13 439	18
PLUMBING FACILITIES BY PERSONS PER ROOM													
Complete plumbing for exclusive use -----	12 844	2 297	2 614	1 574	1 166	2 246	1 420	1 091	314	122	12 400	14 139	2 036
0.50 or less -----	8 767	1 705	1 832	1 114	732	1 515	914	704	154	97	11 900	13 631	1 221
0.51 to 1.00 -----	3 848	554	749	433	403	702	491	336	160	20	13 666	15 123	750
1.01 to 1.50 -----	195	38	27	15	20	29	10	51	—	5	14 688	17 553	59
1.51 or more -----	34	—	6	12	11	—	5	—	—	—	12 292	13 852	6
Lacking complete plumbing for exclusive use -----	460	183	134	59	7	49	15	7	6	—	6 320	8 209	159
0.50 or less -----	216	90	77	30	—	19	—	—	—	—	6 154	6 780	55
0.51 to 1.00 -----	232	87	57	29	7	24	15	7	6	—	6 450	9 489	98
1.01 to 1.50 -----	6	—	—	—	—	6	—	—	—	—	16 250	17 330	—
1.51 or more -----	6	6	—	—	—	—	—	—	—	—	2500—	1 005	6
SELECTED CHARACTERISTICS													
Heating equipment -----	13 299	2 475	2 748	1 633	1 173	2 295	1 435	1 098	320	122	12 184	13 937	2 190
Central heating system -----	12 756	2 284	2 605	1 603	1 152	2 191	1 411	1 073	320	117	12 322	14 097	2 008
Air conditioning -----	8 496	1 250	1 553	1 077	769	1 604	1 074	816	264	89	13 696	15 209	981
Central system -----	4 013	444	589	529	310	787	685	448	153	68	15 679	16 905	456
Vehicles available -----	10 724	1 136	2 010	1 467	1 057	2 163	1 385	1 078	309	119	14 272	15 704	1 185
1 -----	6 806	908	1 667	1 075	740	1 345	869	368	70	64	11 926	13 241	835
2 or more -----	3 918	228	343	392	317	818	516	710	239	55	19 129	19 982	350
House heating fuel -----	13 299	2 475	2 748	1 633	1 173	2 295	1 435	1 098	320	122	12 184	13 937	2 190
Utility gas -----	10 654	1 905	2 138	1 334	982	1 894	1 153	899	244	105	12 406	14 140	1 686
Bottled, tank, or LP gas -----	140	22	48	29	—	28	7	6	—	—	10 000	10 502	31
Electricity -----	2 123	458	449	229	164	334	261	153	65	10	11 687	13 296	402
Fuel oil, kerosene, etc. -----	88	—	20	12	6	24	9	10	—	7	15 882	20 631	7
Other -----	294	90	93	29	21	15	5	30	11	—	7 805	10 853	64
Median rooms -----	3.9	3.3	3.5	3.6	3.9	4.2	4.2	4.4	4.4	4.1	...	...	3.7
Specified renter-occupied housing units -----	13 177	2 467	2 738	1 628	1 154	2 250	1 424	1 092	308	116	12 125	13 887	2 187
CONTRACT RENT													
Less than \$100 -----	1 029	623	263	68	20	21	—	20	14	—	4 399	5 995	473
\$100 to \$149 -----	1 511	420	550	162	93	144	62	59	6	15	7 438	9 863	339
\$150 to \$199 -----	3 415	622	949	540	347	497	278	126	38	18	10 632	11 882	555
\$200 to \$249 -----	2 957	382	525	466	288	708	302	275	11	—	13 416	13 974	382
\$250 to \$299 -----	2 464	239	232	294	276	630	453	225	77	38	16 142	17 095	276
\$300 to \$349 -----	950	70	87	77	87	146	177	219	74	13	20 190	20 866	87
\$350 to \$399 -----	361	19	21	—	8	55	83	91	64	20	24 714	27 525	22
\$400 to \$499 -----	158	9	26	4	8	17	26	52	16	—	22 500	21 616	9
\$500 or more -----	28	—	—	—	—	—	8	8	—	12	33 409	40 051	—
No cash rent -----	304	83	85	17	27	32	35	17	8	—	9 322	11 823	44
Median -----	\$208	\$158	\$174	\$204	\$219	\$231	\$255	\$263	\$303	\$268	...	...	\$171
GROSS RENT													
Less than \$100 -----	822	566	146	50	13	21	—	20	6	—	4 080	5 465	395
\$100 to \$149 -----	907	299	403	76	52	40	14	7	8	8	6 644	8 054	255
\$150 to \$199 -----	2 014	451	723	298	139	232	101	50	6	14	8 804	10 318	389
\$200 to \$249 -----	2 800	461	647	499	307	468	241	148	24	5	11 463	12 278	396
\$250 to \$299 -----	2 515	295	338	314	259	653	374	228	27	27	15 324	15 622	322
\$300 to \$349 -----	1 860	180	226	227	172	442	306	223	72	12	16 052	16 933	251
\$350 to \$399 -----	976	71	63	101	96	238	155	176	63	13	17 589	19 968	77
\$400 to \$499 -----	751	52	71	34	78	119	165	155	66	11	20 640	21 018	39
\$500 or more -----	228	9	36	12	11	5	33	68	28	26	25 667	27 957	19
No cash rent -----	304	83	85	17	27	32	35	17	8	—	9 322	11 823	44
Median -----	\$248	\$185	\$205	\$237	\$261	\$275	\$296	\$319	\$356	\$317	...	...	\$204
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979													
Less than 15 percent -----	2 224	25	71	94	71	390	502	689	275	107	24 620	26 583	19
15 to 19 percent -----	2 303	35	192	207	238	737	560	303	22	9	18 181	18 477	25
20 to 24 percent -----	2 312	153	349	407	387	720	225	68	3	—	14 096	13 861	153
25 to 29 percent -----	1 547	183	413	363	238	261	74	15	—	—	11 222	11 417	133
30 to 34 percent -----	962	61	410	279	114	75	23	—	—	—	10 090	10 099	105
35 to 49 percent -----	1 449	304	786	240	79	35	5	—	—	—	7 321	7 649	248
50 percent or more -----	1 900	1 447	432	21	—	—	—	—	—	—	3 604	3 793	1 284
Not computed -----	480	259	85	17	27	32	35	17	8	—	4 301	7 488	220
Median -----	23.9	50+	33.7	26.3	23.3	19.9	16.7	13.6	11.2	10—	...	...	50+



Table B—5. Selected Monthly Owner Costs for Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Cedar Rapids city	Total	Less than \$200	\$200 to \$249	\$250 to \$299	\$300 to \$349	\$350 to \$399	\$400 to \$499	\$500 to \$599	\$600 to \$749	\$750 or more	Median (dollars)
Specified owner-occupied housing units .....	17 105	831	2 077	2 649	2 759	2 135	3 124	1 779	1 072	679	356
<b>PERSONS IN UNIT</b>											
1 person .....	1 316	207	208	220	196	158	202	84	34	7	306
2 persons .....	4 421	301	678	701	725	479	763	466	239	69	337
3 persons .....	3 577	151	425	514	573	463	781	357	215	98	364
4 persons .....	4 696	116	442	755	697	569	933	562	344	278	380
5 persons .....	2 007	43	221	274	341	353	271	171	173	160	368
6 persons .....	654	9	50	88	134	58	121	100	56	38	390
7 persons .....	299	4	42	56	65	31	38	28	11	24	337
8 or more persons .....	135	—	11	41	28	24	15	11	—	5	328
Median .....	3.29	2.19	2.86	3.29	3.30	3.43	3.26	3.45	3.64	4.10	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>											
Married-couple families .....	14 169	481	1 617	2 108	2 318	1 790	2 626	1 580	985	664	366
15 to 24 years .....	670	21	7	91	92	121	184	125	24	5	401
25 to 34 years .....	4 522	82	249	448	674	718	1 127	687	344	193	407
35 to 44 years .....	3 714	82	389	607	568	476	557	411	333	291	372
45 to 64 years .....	4 812	225	862	869	900	445	716	351	284	160	325
65 years and over .....	451	71	110	93	84	30	42	6	—	15	274
Male householder, no wife present .....	1 163	88	133	186	163	141	253	130	54	15	354
15 to 24 years .....	127	9	7	28	20	11	22	22	8	—	349
25 to 34 years .....	557	—	52	74	100	96	158	58	12	7	377
35 to 44 years .....	226	5	23	45	31	20	63	15	24	—	372
45 to 64 years .....	199	42	42	32	12	14	4	35	10	8	274
65 years and over .....	54	32	9	7	—	—	6	—	—	—	177
Female householder, no husband present .....	1 773	262	327	355	278	204	245	69	33	—	292
15 to 24 years .....	60	—	4	13	—	14	18	11	—	—	396
25 to 34 years .....	452	13	81	125	82	56	83	12	—	—	304
35 to 44 years .....	432	22	68	83	63	78	67	18	33	—	334
45 to 64 years .....	600	116	140	108	110	43	63	20	—	—	270
65 years and over .....	229	111	34	26	23	13	14	8	—	—	205
Median age .....	39.6	55.7	47.4	42.2	40.9	35.8	34.8	34.7	38.1	39.1	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>											
1979 to March 1980 .....	2 583	40	69	92	210	243	684	591	436	218	493
1975 to 1978 .....	6 172	104	292	638	838	1 120	1 585	830	437	328	406
1970 to 1974 .....	3 215	167	460	661	737	427	414	185	83	81	322
1960 to 1969 .....	4 000	319	884	1 024	820	289	372	163	84	45	289
1959 or earlier .....	1 135	201	372	234	154	56	69	10	32	7	249
<b>ROOMS</b>											
1 to 3 rooms .....	133	38	7	30	29	—	7	16	6	—	286
4 rooms .....	1 111	211	221	189	147	134	136	66	7	—	283
5 rooms .....	3 945	341	822	835	777	431	530	155	38	16	298
6 rooms .....	4 458	190	588	864	752	601	858	378	174	53	339
7 rooms .....	3 427	38	289	416	525	493	756	455	363	92	395
8 or more rooms .....	4 031	13	150	315	529	476	837	709	484	518	462
Median .....	6.3	5.0	5.5	5.8	6.1	6.3	6.5	7.1	7.4	8.3	...
<b>YEAR STRUCTURE BUILT</b>											
1975 to March 1980 .....	1 801	17	25	17	61	153	382	471	372	303	552
1970 to 1974 .....	1 460	—	12	83	225	260	392	271	145	72	438
1960 to 1969 .....	4 501	52	329	865	878	582	908	486	260	141	361
1950 to 1959 .....	3 882	290	732	740	651	496	603	261	64	45	314
1940 to 1949 .....	1 372	135	224	300	285	117	207	65	34	5	305
1939 or earlier .....	4 089	337	755	644	659	527	632	225	197	113	323
<b>VALUE</b>											
Less than \$10,000 .....	48	42	—	—	—	6	—	—	—	—	150
\$10,000 to \$19,999 .....	512	173	132	111	68	11	17	—	—	—	231
\$20,000 to \$29,999 .....	1 561	298	445	326	296	117	64	11	4	—	256
\$30,000 to \$39,999 .....	2 961	193	630	673	564	425	374	90	12	—	299
\$40,000 to \$49,999 .....	3 911	93	592	796	759	622	767	227	41	14	331
\$50,000 to \$59,999 .....	3 439	18	206	500	554	501	928	540	174	18	394
\$60,000 to \$79,999 .....	2 927	10	55	207	425	337	692	622	482	97	457
\$80,000 to \$99,999 .....	1 044	—	6	36	64	100	200	200	217	221	558
\$100,000 to \$149,999 .....	582	4	11	—	29	16	82	89	112	239	680
\$150,000 or more .....	120	—	—	—	—	—	—	—	30	90	750+
Median .....	\$48 900	\$26 800	\$37 100	\$42 500	\$46 000	\$48 500	\$52 900	\$60 500	\$73 300	\$99 300	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>											
Less than 15 percent .....	5 852	428	1 392	1 503	1 069	555	529	142	143	91	287
15 to 19 percent .....	3 844	135	279	598	777	610	892	301	151	101	361
20 to 24 percent .....	3 065	77	172	205	417	474	773	520	284	143	423
25 to 29 percent .....	1 810	50	84	100	237	265	356	441	128	149	440
30 to 34 percent .....	895	23	42	70	51	88	250	168	148	55	468
35 percent or more .....	1 593	110	102	168	196	135	317	207	218	140	426
Not computed .....	46	8	6	5	12	8	7	—	—	—	317
Median .....	18.5	14.6	12.8	14.1	17.0	19.2	20.9	24.3	24.3	25.2	...
<b>SELECTED CHARACTERISTICS</b>											
Heating equipment .....	17 105	831	2 077	2 649	2 759	2 135	3 124	1 779	1 072	679	356
Steam or hot water system .....	675	38	73	82	88	67	154	52	54	67	392
Central warm-air furnace or electric heat pump .....	16 050	707	1 939	2 502	2 618	2 018	2 932	1 715	1 018	601	356
Other built-in electric units .....	21	—	7	—	—	14	—	—	—	—	363
Floor, wall, or pipeless furnace .....	187	60	35	52	17	17	6	—	—	—	248
Other means .....	172	26	23	13	36	19	32	12	—	11	333
Air conditioning .....	13 240	480	1 519	2 026	2 066	1 576	2 468	1 452	979	674	367
Central system .....	8 071	85	545	976	1 124	910	1 728	1 193	877	633	422
1 or more individual room units .....	5 169	395	974	1 050	942	666	740	259	102	41	309
House heating fuel .....	17 105	831	2 077	2 649	2 759	2 135	3 124	1 779	1 072	679	356
Utility gas .....	16 788	822	2 036	2 618	2 726	2 080	3 069	1 752	1 050	635	355
Bottled, tank, or LP gas .....	26	—	—	6	—	14	—	—	6	—	375
Electricity .....	178	9	52	13	18	21	34	14	11	26	390
Fuel oil, kerosene, etc. ....	62	—	—	7	8	20	8	7	5	7	390
Other .....	51	—	9	5	7	—	13	6	—	11	438

Table B—6. Selected Monthly Owner Costs for Not Mortgaged Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

## Cedar Rapids city

	Total	Less than \$50	\$50 to \$74	\$75 to \$99	\$100 to \$124	\$125 to \$149	\$150 to \$199	\$200 to \$249	\$250 or more	Median (dollars)
<b>Specified owner-occupied housing units</b> -----	<b>8 486</b>	<b>33</b>	<b>305</b>	<b>908</b>	<b>1 931</b>	<b>2 001</b>	<b>2 192</b>	<b>609</b>	<b>507</b>	<b>138</b>
<b>PERSONS IN UNIT</b>										
1 person -----	2 429	19	220	474	696	509	335	102	74	118
2 persons -----	4 301	14	75	366	983	1 100	1 256	268	239	141
3 persons -----	968	—	10	37	147	196	369	125	84	163
4 persons -----	481	—	—	19	85	128	111	53	85	154
5 persons -----	210	—	—	12	7	44	87	48	12	174
6 persons -----	61	—	—	—	13	13	16	13	6	164
7 persons -----	30	—	—	—	—	11	12	—	7	167
8 or more persons -----	6	—	—	—	—	—	6	—	—	175
Median -----	1.92	1.37	1.19	1.46	1.77	1.95	2.11	2.26	2.25	...
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>										
<b>Married-couple families</b> -----	<b>5 131</b>	<b>7</b>	<b>71</b>	<b>305</b>	<b>1 018</b>	<b>1 244</b>	<b>1 643</b>	<b>456</b>	<b>387</b>	<b>148</b>
15 to 24 years -----	25	—	4	4	4	6	7	—	—	127
25 to 34 years -----	165	—	—	10	43	60	27	18	7	137
35 to 44 years -----	244	—	—	—	20	51	88	49	36	179
45 to 64 years -----	2 486	—	26	76	421	610	889	242	222	156
65 years and over -----	2 211	7	41	215	530	517	632	147	122	140
<b>Male householder, no wife present</b> -----	<b>711</b>	<b>—</b>	<b>82</b>	<b>134</b>	<b>190</b>	<b>137</b>	<b>112</b>	<b>17</b>	<b>39</b>	<b>118</b>
15 to 24 years -----	—	—	—	—	—	—	—	—	—	—
25 to 34 years -----	27	—	8	8	—	6	5	—	—	92
35 to 44 years -----	26	—	—	7	6	—	6	—	7	137
45 to 64 years -----	198	—	24	29	26	43	50	—	26	137
65 years and over -----	460	—	50	90	158	88	51	17	6	114
<b>Female householder, no husband present</b> -----	<b>2 644</b>	<b>26</b>	<b>152</b>	<b>469</b>	<b>723</b>	<b>620</b>	<b>437</b>	<b>136</b>	<b>81</b>	<b>123</b>
15 to 24 years -----	13	—	—	—	—	—	5	8	—	209
25 to 34 years -----	30	—	—	6	14	—	5	5	—	116
35 to 44 years -----	67	—	—	7	11	6	32	11	—	165
45 to 64 years -----	631	7	35	61	160	169	140	35	24	133
65 years and over -----	1 903	19	117	395	538	445	255	77	57	120
Median age -----	66.2	76.8	72.4	72.4	68.6	65.8	62.7	61.0	61.3	...
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>										
1979 to March 1980 -----	166	—	4	23	21	17	60	22	19	165
1975 to 1978 -----	570	—	22	47	129	126	126	46	74	142
1970 to 1974 -----	845	—	33	99	185	164	212	92	60	141
1960 to 1969 -----	2 137	7	66	171	300	423	745	224	201	157
1959 or earlier -----	4 768	26	180	568	1 296	1 271	1 049	225	153	131
<b>ROOMS</b>										
1 to 3 rooms -----	189	12	40	84	36	12	5	—	—	88
4 rooms -----	1 607	—	110	282	495	476	204	26	14	121
5 rooms -----	2 988	7	113	319	851	716	784	167	31	132
6 rooms -----	2 020	7	22	183	376	488	684	150	110	147
7 rooms -----	1 027	7	20	29	138	253	365	113	102	159
8 or more rooms -----	655	—	—	11	35	56	150	153	250	225
Median -----	5.3	5.1	4.5	4.8	5.0	5.2	5.7	6.2	7.5	...
<b>YEAR STRUCTURE BUILT</b>										
1975 to March 1980 -----	141	—	—	5	21	11	42	31	31	190
1970 to 1974 -----	155	—	—	1	7	6	70	39	32	195
1960 to 1969 -----	1 219	7	6	42	74	174	546	194	176	178
1950 to 1959 -----	2 318	—	16	133	506	700	663	187	113	143
1940 to 1949 -----	966	19	35	58	219	329	239	23	44	137
1939 or earlier -----	3 687	7	248	669	1 104	781	632	135	111	121
<b>VALUE</b>										
Less than \$10,000 -----	94	14	25	11	32	—	12	—	—	93
\$10,000 to \$19,999 -----	930	12	158	249	283	165	43	20	—	104
\$20,000 to \$29,999 -----	1 787	7	65	372	604	427	278	21	13	119
\$30,000 to \$39,999 -----	2 036	—	36	184	638	654	411	85	28	131
\$40,000 to \$49,999 -----	1 502	—	15	64	299	403	627	76	18	148
\$50,000 to \$59,999 -----	1 022	—	6	25	64	289	492	109	37	163
\$60,000 to \$79,999 -----	673	—	—	—	11	58	286	235	83	197
\$80,000 to \$99,999 -----	175	—	—	—	—	5	35	35	100	250+
\$100,000 to \$149,999 -----	185	—	—	3	—	—	8	19	155	250+
\$150,000 or more -----	82	—	—	—	—	—	—	9	73	250+
Median -----	\$36 900	\$18 000	\$17 600	\$24 300	\$30 700	\$35 900	\$45 600	\$59 500	\$93 500	...
<b>SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979</b>										
Less than 10 percent -----	3 644	14	74	292	799	898	1 023	269	275	143
10 to 14 percent -----	1 835	—	71	180	340	464	481	189	110	143
15 to 19 percent -----	1 035	—	87	135	229	219	287	55	23	133
20 to 24 percent -----	626	—	44	131	174	133	103	7	34	120
25 to 29 percent -----	435	—	10	57	161	83	69	43	12	123
30 to 34 percent -----	239	—	5	55	77	51	45	—	6	119
35 percent or more -----	607	—	14	44	134	149	181	38	47	144
Not computed -----	65	19	—	14	17	4	3	8	—	99
Median -----	11.5	10—	15.4	14.3	12.3	11.1	10.7	10.8	10—	...
<b>SELECTED CHARACTERISTICS</b>										
<b>Heating equipment</b> -----	<b>8 486</b>	<b>33</b>	<b>305</b>	<b>908</b>	<b>1 931</b>	<b>2 001</b>	<b>2 192</b>	<b>609</b>	<b>507</b>	<b>138</b>
Steam or hot water system -----	403	—	10	25	88	89	112	24	55	147
Central warm-air furnace or electric heat pump -----	7 588	14	213	784	1 708	1 825	2 037	560	439	140
Other built-in electric units -----	23	—	5	—	12	—	—	—	6	114
Floor, wall, or pipeless furnace -----	143	—	12	32	40	29	30	—	—	117
Other means -----	329	19	65	67	83	58	13	17	7	104
<b>Air conditioning</b> -----	<b>6 324</b>	<b>7</b>	<b>156</b>	<b>502</b>	<b>1 280</b>	<b>1 591</b>	<b>1 798</b>	<b>528</b>	<b>462</b>	<b>144</b>
Central system -----	3 136	—	31	92	405	668	1 087	457	396	167
1 or more individual room units -----	3 188	7	125	410	875	923	711	71	66	130
<b>House heating fuel</b> -----	<b>8 486</b>	<b>33</b>	<b>305</b>	<b>908</b>	<b>1 931</b>	<b>2 001</b>	<b>2 192</b>	<b>609</b>	<b>507</b>	<b>138</b>
Utility gas -----	8 286	21	281	908	1 874	1 973	2 150	592	487	138
Bottled, tank, or LP gas -----	45	12	—	—	8	—	15	10	—	158
Electricity -----	67	—	10	—	20	—	17	—	20	160
Fuel oil, kerosene, etc. -----	64	—	6	—	—	12	10	7	—	122
Other -----	24	—	8	—	—	16	—	—	—	131



Table B—7. Year Structure Built for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

Cedar Rapids city	Owner-occupied housing units						Renter-occupied housing units					
	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier	Total	1975 to March 1980	1970 to 1974	1960 to 1969	1940 to 1959	1939 or earlier
Occupied housing units .....	28 343	2 575	2 059	6 159	9 003	8 547	13 304	2 035	1 600	2 800	2 919	3 950
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families .....	20 855	2 098	1 614	5 101	6 737	5 305	3 606	522	409	766	970	939
15 to 24 years .....	828	135	94	88	273	238	892	162	149	184	256	141
25 to 34 years .....	4 993	935	539	1 010	1 337	1 172	1 351	174	136	289	369	383
35 to 44 years .....	4 205	524	489	1 345	1 012	835	378	24	48	97	93	116
45 to 64 years .....	7 889	451	433	2 322	2 921	1 762	628	83	29	124	197	195
65 years and over .....	2 940	53	59	336	1 194	1 298	357	79	47	72	55	104
Male householder, no wife present .....	2 350	205	161	336	639	1 009	3 809	772	380	738	808	1 111
15 to 24 years .....	223	43	8	44	56	72	1 341	246	155	279	370	291
25 to 34 years .....	717	89	112	107	213	196	1 229	328	130	237	257	277
35 to 44 years .....	326	33	13	79	93	108	346	93	18	70	62	103
45 to 64 years .....	507	40	21	67	122	257	568	90	46	99	89	244
65 years and over .....	577	—	7	39	155	376	325	15	31	53	30	196
Female householder, no husband present .....	5 138	272	284	722	1 627	2 233	5 889	741	811	1 296	1 141	1 900
15 to 24 years .....	123	23	12	18	40	30	1 508	224	228	337	346	373
25 to 34 years .....	577	54	47	90	199	187	1 471	143	193	360	340	435
35 to 44 years .....	539	51	79	127	142	140	475	50	51	104	80	190
45 to 64 years .....	1 466	100	86	242	512	526	1 014	112	95	173	199	435
65 years and over .....	2 433	44	60	245	734	1 350	1 421	212	244	322	176	467
Median age .....	48.4	35.1	37.5	46.1	52.2	56.1	31.2	29.4	29.6	30.7	29.0	37.2
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980 .....	3 363	930	322	597	765	749	7 033	1 460	894	1 428	1 636	1 615
1975 to 1978 .....	7 655	1 645	798	1 508	1 882	1 822	4 084	575	488	878	819	1 324
1970 to 1974 .....	4 453	—	939	1 037	1 365	1 112	2 296	—	218	280	323	475
1960 to 1969 .....	6 516	—	—	3 017	1 876	1 623	579	—	—	214	100	265
1959 or earlier .....	6 356	—	—	—	3 115	3 241	312	—	—	—	41	271
<b>ROOMS</b>												
1 room .....	7	—	7	—	—	—	521	19	119	67	53	263
2 rooms .....	91	27	12	—	33	19	1 178	133	176	308	137	424
3 rooms .....	475	16	20	57	132	250	3 441	770	332	703	684	952
4 rooms .....	3 417	241	192	395	1 501	1 088	4 182	806	631	1 092	792	861
5 rooms .....	7 725	404	354	1 693	3 054	2 220	2 099	201	202	335	667	694
6 rooms .....	6 898	421	477	1 482	2 410	2 108	1 075	60	87	139	340	449
7 or more rooms .....	9 730	1 466	997	2 532	1 873	2 862	808	46	53	156	246	307
Median .....	5.9	6.8	6.4	6.1	5.4	5.8	3.9	3.6	3.8	3.8	4.2	3.9
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use .....	28 241	2 570	2 059	6 159	8 964	8 489	12 844	2 016	1 568	2 770	2 827	3 663
0.50 or less .....	19 118	1 805	1 206	3 703	6 029	6 375	8 767	1 543	1 016	1 928	1 794	2 486
0.51 to 1.00 .....	8 727	734	831	2 377	2 764	2 021	3 848	461	542	803	945	1 097
1.01 to 1.50 .....	349	19	22	65	159	84	195	6	5	29	81	74
1.51 or more .....	47	12	—	14	12	9	34	6	5	10	7	6
Lacking complete plumbing for exclusive use .....	102	5	—	—	39	58	460	19	32	30	92	287
0.50 or less .....	76	—	—	—	32	44	216	8	19	30	47	112
0.51 to 1.00 .....	26	5	—	—	7	14	232	11	13	—	45	163
1.01 to 1.50 .....	—	—	—	—	—	—	6	—	—	—	—	6
1.51 or more .....	—	—	—	—	—	—	6	—	—	—	—	6
<b>PERSONS IN UNIT</b>												
1 person .....	4 541	305	234	540	1 370	2 092	6 035	973	762	1 218	1 077	2 005
2 persons .....	9 740	702	484	1 878	3 598	3 078	3 962	786	514	900	809	953
3 persons .....	5 056	508	374	1 150	1 635	1 389	1 701	197	185	363	488	468
4 persons .....	5 464	714	546	1 584	1 488	1 132	872	55	77	204	270	266
5 persons .....	2 311	260	303	668	589	491	469	18	44	71	161	175
6 or more persons .....	1 231	86	118	339	323	365	265	6	18	44	114	83
Median .....	2.49	3.05	3.33	3.08	2.37	2.21	1.66	1.56	1.57	1.70	1.97	1.49
Total persons .....	81 481	8 327	6 763	19 756	24 536	22 099	26 055	3 378	2 874	5 502	6 583	7 718
<b>UNITS IN STRUCTURE</b>												
1, detached or attached .....	26 671	2 064	1 700	5 922	8 874	8 111	3 426	67	108	342	1 351	1 558
2 .....	369	31	9	16	43	270	1 277	52	23	107	466	629
3 and 4 .....	204	72	20	7	14	91	1 535	132	50	130	463	760
5 to 9 .....	101	48	7	6	5	35	1 762	299	286	432	212	533
10 to 49 .....	323	124	128	16	15	40	4 003	1 162	818	1 418	324	281
50 or more .....	41	—	4	37	—	—	1 241	311	287	357	97	189
Mobile home or trailer, etc. ....	634	236	191	155	52	—	60	12	28	14	6	—
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment .....	28 343	2 575	2 059	6 159	9 003	8 547	13 299	2 035	1 600	2 800	2 919	3 945
Steam or hot water system .....	1 255	38	14	149	376	678	2 487	224	148	571	581	963
Central warm-air furnace or electric heat pump .....	26 081	2 502	2 015	5 919	8 357	7 288	9 070	1 463	1 102	1 899	1 968	2 638
Other built-in electric units .....	56	6	—	26	—	24	938	319	291	202	72	53
Floor, wall, or pipeless furnace .....	394	11	6	25	159	193	261	—	13	58	91	99
Other means .....	557	18	24	40	111	364	543	29	46	70	206	192
Air conditioning .....	21 582	2 205	1 716	5 273	6 907	5 481	8 496	1 978	1 487	2 232	1 336	1 463
Central system .....	12 449	2 086	1 387	4 076	3 450	1 450	4 013	1 416	841	1 274	271	211
1 or more individual room units .....	9 133	119	329	1 197	3 457	4 031	4 483	562	646	958	1 065	1 252
House heating fuel .....	28 343	2 575	2 059	6 159	9 003	8 547	13 299	2 035	1 600	2 800	2 919	3 945
Utility gas .....	27 630	2 445	1 987	6 035	8 829	8 334	10 654	1 365	927	2 156	2 663	3 543
Bottled, tank, or LP gas .....	129	13	14	19	46	37	140	32	9	30	35	34
Electricity .....	329	104	52	73	44	56	2 123	625	664	544	167	123
Fuel oil, kerosene, etc. ....	172	—	—	19	54	99	88	—	—	20	14	54
Other .....	83	13	6	13	30	21	294	13	—	50	40	191
Income in 1979 below poverty level .....	1 221	43	63	179	353	583	2 195	248	228	397	489	833
Percent below poverty level .....	4.3	1.7	3.1	2.9	3.9	6.8	16.5	12.2	14.3	14.2	16.8	21.1
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000 .....	1 695	39	57	202	45	903	2 480	291	302	382	496	1 009
\$5,000 to \$9,999 .....	2 682	66	121	318	76	1 390	2 748	283	307	506	588	1 064
\$10,000 to \$12,499 .....	1 413	107	99	167	494	546	1 633	235	196	376	360	466
\$12,500 to \$14,999 .....	1 712	104	97	210	665	636	1 173	141	144	308	290	290
\$15,000 to \$19,999 .....	3 889	305	297	721	1 263	1 299	2 295	334	274	516	567	604
\$20,000 to \$24,999 .....	4 652	452	415	1 015	1 611	1 159	1 435	392	202	336	302	203
\$25,000 to \$34,999 .....	7 132	815	524	1 818	2 345	1 630	1 098	228	129	228	228	234
\$35,000 to \$49,999 .....	3 559	462	274	1 213	962	648	320	105	27	70	57	61
\$50,000 or more .....	1 609	221	175	495	382	336	122	26	19	27	31	19
Median .....	\$22 988	\$26 928	\$24 169	\$27 060	\$22 480	\$18 152	\$12 180	\$15 870	\$12 436	\$13 604	\$12 634	\$9 519
Mean .....	\$25 131	\$30 257	\$28 654	\$29 779	\$24 060	\$20 515	\$13 933	\$16 994	\$14 075	\$15 127	\$14 086	\$11 340

Table B—8. Units in Structure for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B)

## Cedar Rapids city

Cedar Rapids city	Owner-occupied housing units				Renter-occupied housing units							
	Total	1 unit, detached or attached	2 or more units	Mobile home or trailer, etc.	Total	1 unit, detached or attached	2 units	3 and 4 units	5 to 9 units	10 to 49 units	50 or more units	Mobile home or trailer, etc.
Occupied housing units -----	28 343	26 671	1 038	634	13 304	3 426	1 277	1 535	1 762	4 003	1 241	60
Condominium housing units -----	425	42	383	—	57	—	—	—	18	19	20	—
<b>HOUSEHOLD TYPE AND AGE OF HOUSEHOLDER</b>												
Married-couple families -----	20 855	20 112	427	316	3 606	1 555	351	276	328	843	236	17
15 to 24 years -----	828	708	25	95	892	239	136	58	93	296	61	9
25 to 34 years -----	4 993	4 876	44	73	1 351	696	86	124	113	279	45	8
35 to 44 years -----	4 205	4 117	47	41	378	225	36	11	44	55	7	—
45 to 64 years -----	7 889	7 596	213	80	628	291	65	51	58	123	40	—
65 years and over -----	2 940	2 815	98	27	357	104	28	32	20	90	83	—
Male householder, no wife present -----	2 350	2 004	175	171	3 809	778	338	447	574	1 310	339	23
15 to 24 years -----	223	133	51	39	1 341	306	141	152	206	489	41	6
25 to 34 years -----	717	620	38	59	1 229	264	96	130	189	460	84	6
35 to 44 years -----	326	269	30	27	346	45	29	32	68	137	35	—
45 to 64 years -----	507	428	56	23	568	88	45	85	91	168	85	6
65 years and over -----	577	554	—	23	325	75	27	48	20	56	94	5
Female householder, no husband present -----	5 138	4 555	436	147	5 889	1 093	588	812	860	1 850	666	20
15 to 24 years -----	123	73	11	39	1 508	156	196	223	273	553	93	14
25 to 34 years -----	577	493	54	30	1 471	380	163	227	240	379	82	—
35 to 44 years -----	539	510	10	19	475	100	52	75	79	139	30	—
45 to 64 years -----	1 466	1 293	133	40	1 014	273	93	121	144	295	82	6
65 years and over -----	2 433	2 186	228	19	1 421	184	84	166	124	484	379	—
Median age -----	48.4	48.3	55.6	32.6	31.2	31.7	28.6	31.4	28.8	30.0	59.1	25.6
<b>YEAR HOUSEHOLDER MOVED INTO UNIT</b>												
1979 to March 1980 -----	3 363	2 874	255	234	7 033	1 648	758	815	1 038	2 282	474	18
1975 to 1978 -----	7 655	7 042	338	275	4 084	1 052	365	451	479	1 209	492	36
1970 to 1974 -----	4 453	4 206	162	85	1 296	348	78	130	162	356	216	6
1960 to 1969 -----	6 516	6 361	120	35	579	213	69	65	36	151	45	—
1959 or earlier -----	6 356	6 188	163	5	312	165	7	74	47	5	14	—
<b>ROOMS</b>												
1 room -----	7	—	—	7	521	—	6	56	111	68	280	—
2 rooms -----	91	28	32	31	1 178	21	43	208	279	490	131	6
3 rooms -----	475	308	128	39	3 441	249	322	580	453	1 441	391	5
4 rooms -----	3 417	2 832	305	280	4 182	685	486	492	682	1 497	312	28
5 rooms -----	7 725	7 235	285	205	2 099	1 020	242	122	164	419	111	21
6 rooms -----	6 898	6 698	161	39	1 075	768	120	38	73	69	7	—
7 or more rooms -----	9 730	9 570	127	33	808	683	58	39	—	19	9	—
Median -----	5.9	5.9	4.7	4.4	3.9	5.2	4.1	3.4	3.6	3.5	3.0	4.2
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>												
Complete plumbing for exclusive use -----	28 241	26 598	1 014	629	12 844	3 399	1 244	1 429	1 648	3 885	1 179	60
0.50 or less -----	19 118	17 882	868	368	8 767	2 008	817	1 055	1 249	2 906	689	43
0.51 to 1.00 -----	8 727	8 340	137	250	3 848	1 233	415	359	372	962	490	17
1.01 to 1.50 -----	349	340	4	5	195	146	12	15	11	11	—	—
1.51 or more -----	47	36	5	6	34	12	—	—	16	6	—	—
Lacking complete plumbing for exclusive use -----	102	73	24	5	460	27	33	106	114	118	62	—
0.50 or less -----	76	57	14	5	216	18	8	53	44	78	15	—
0.51 to 1.00 -----	26	16	10	—	232	9	25	47	64	40	47	—
1.01 to 1.50 -----	—	—	—	—	6	—	—	6	—	—	—	—
1.51 or more -----	—	—	—	—	6	—	—	—	6	—	—	—
<b>BEDROOMS</b>												
None -----	38	10	15	13	903	6	20	141	192	221	323	—
1 -----	1 131	819	237	75	5 176	432	575	884	784	1 980	510	11
2 -----	7 739	6 831	543	365	5 307	1 475	551	447	704	1 699	403	28
3 -----	14 201	13 816	204	181	1 485	1 119	110	56	71	103	5	21
4 -----	4 376	4 356	20	—	385	351	21	7	6	—	—	—
5 or more -----	858	839	19	—	48	43	—	—	5	—	—	—
<b>HOUSEHOLD INCOME IN 1979</b>												
Less than \$5,000 -----	1 695	1 540	103	52	2 480	521	281	390	309	652	322	5
\$5,000 to \$9,999 -----	2 682	2 452	145	85	2 748	667	241	338	434	718	315	35
\$10,000 to \$12,499 -----	1 413	1 228	107	78	1 633	344	138	228	281	503	133	6
\$12,500 to \$14,999 -----	1 712	1 541	105	66	1 173	318	130	117	121	407	80	—
\$15,000 to \$19,999 -----	3 889	3 616	134	139	2 295	658	254	214	274	746	143	6
\$20,000 to \$24,999 -----	4 652	4 441	133	78	1 435	334	146	142	206	506	93	8
\$25,000 to \$34,999 -----	7 132	6 860	154	118	1 098	419	64	80	107	341	87	—
\$35,000 to \$49,999 -----	3 559	3 444	97	18	320	125	23	6	22	86	58	—
\$50,000 or more -----	1 609	1 549	60	—	122	40	—	20	8	44	10	—
Median -----	\$22 983	\$23 333	\$16 916	\$15 989	\$12 180	\$13 923	\$12 111	\$10 433	\$11 228	\$13 289	\$9 694	\$8 214
Mean -----	\$25 131	\$25 371	\$24 124	\$16 667	\$13 933	\$15 547	\$12 898	\$11 790	\$13 213	\$14 535	\$12 446	\$10 494
<b>SELECTED CHARACTERISTICS</b>												
Heating equipment -----	28 343	26 671	1 038	634	13 299	3 426	1 277	1 535	1 757	4 003	1 241	60
Steam or hot water system -----	1 255	1 153	102	—	2 487	207	164	310	484	898	416	8
Central warm-air furnace or electric heat pump -----	26 081	24 602	887	592	9 070	2 789	974	1 108	1 083	2 520	561	35
Other built-in electric units -----	56	51	—	5	938	47	31	30	116	472	242	—
Floor, wall, or pipeless furnace -----	394	346	26	22	261	155	10	28	18	29	16	5
Other means -----	557	519	23	15	543	228	98	59	56	84	6	12
Air conditioning -----	21 582	20 345	818	419	8 496	1 581	528	596	1 167	3 533	1 052	39
Central system -----	12 449	11 703	534	212	4 013	384	117	213	688	2 195	396	20
Vehicles available -----	26 717	25 149	946	622	10 724	2 998	1 021	1 074	1 394	3 453	730	54
1 -----	8 338	7 524	516	298	6 806	1 591	644	836	941	2 205	535	54
2 or more -----	18 379	17 625	430	324	3 918	1 407	377	238	453	1 248	195	—
House heating fuel -----	28 343	26 671	1 038	634	13 299	3 426	1 277	1 535	1 757	4 003	1 241	60
Utility gas -----	27 630	26 088	981	561	10 654	3 252	1 178	1 396	1 350	2 770	677	31
Bottled, tank, or LP gas -----	129	82	7	40	140	15	7	18	32	53	—	15
Electricity -----	329	274	40	15	2 123	111	78	82	301	1 090	447	14
Fuel oil, kerosene, etc. -----	172	144	10	18	88	41	14	13	5	6	9	—
Other -----	83	83	—	—	294	7	—	26	69	84	108	—
Water heating fuel -----	28 316	26 644	1 038	634	13 284	3 426	1 277	1 528	1 756	3 996	1 241	60
Utility gas -----	24 326	23 107	776	443	9 916	2 984	1 122	1 346	1 287	2 526	631	20
Bottled, tank, or LP gas -----	170	134	8	28	125	16	14	—	27	53	—	15
Electricity -----	3 795	3 378	254	163	3 159	426	141	174	436	1 383	574	25
Fuel oil, kerosene, etc. -----	4	4	—	—	—	—						



Table B—9. Owner- and Renter-Occupied Housing Units by Size of Household: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Cedar Rapids city	Total	1 person	2 persons	3 persons	4 persons	5 persons	6 persons	7 persons	8 or more persons	Median	Total persons
<b>Owner-occupied housing units</b>	<b>28 343</b>	<b>4 541</b>	<b>9 740</b>	<b>5 056</b>	<b>5 464</b>	<b>2 311</b>	<b>747</b>	<b>343</b>	<b>141</b>	<b>2.49</b>	<b>81 481</b>
Nonrelatives present	946	—	486	240	130	51	24	6	9	2.47	2 708
<b>ROOMS</b>											
1 to 3 rooms	573	283	186	60	38	6	—	—	—	1.52	1 052
4 rooms	3 417	1 266	1 556	393	174	24	—	—	4	1.78	6 530
5 rooms	7 725	1 546	3 185	1 390	1 051	388	85	54	26	2.23	19 537
6 rooms	6 898	914	2 466	1 365	1 374	522	161	79	17	2.55	19 777
7 rooms	4 715	335	1 354	949	1 307	545	140	65	20	3.20	15 418
8 or more rooms	5 015	197	993	899	1 520	826	361	145	74	3.78	19 167
Median	5.9	5.0	5.5	6.0	6.6	6.9	7.4	7.1	7.6	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	28 241	4 513	9 701	5 036	5 464	2 303	740	343	141	2.49	81 224
1.00 or less	27 845	4 513	9 701	5 023	5 426	2 273	655	210	44	2.47	78 606
1.01 to 1.50	349	—	—	13	27	24	85	133	67	6.69	2 325
1.51 or more	47	—	—	—	11	6	—	—	30	7.78	293
Lacking complete plumbing for exclusive use	102	28	39	20	—	8	7	—	—	2.09	257
1.00 or less	102	28	39	20	—	8	7	—	—	2.09	257
1.01 to 1.50	—	—	—	—	—	—	—	—	—	—	—
1.51 or more	—	—	—	—	—	—	—	—	—	—	—
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	26 671	3 907	9 128	4 770	5 366	2 279	741	339	141	2.56	77 684
2 or more	1 038	471	403	103	39	12	6	4	—	1.62	2 130
Mobile home or trailer, etc.	634	163	209	183	59	20	—	—	—	2.24	1 667
<b>VALUE</b>											
Specified owner-occupied housing units	25 591	3 745	8 722	4 545	5 177	2 217	715	329	141	2.57	74 101
Less than \$10,000	142	64	42	14	12	10	—	—	—	1.67	347
\$10,000 to \$19,999	1 442	460	515	238	110	81	22	12	4	2.01	3 226
\$20,000 to \$29,999	3 348	971	1 294	389	369	191	74	34	26	2.04	7 938
\$30,000 to \$39,999	4 997	983	1 884	816	825	311	78	83	17	2.30	12 677
\$40,000 to \$49,999	5 413	610	1 802	1 157	1 033	572	160	58	21	2.75	16 057
\$50,000 to \$59,999	4 461	407	1 408	816	1 249	341	158	47	35	3.01	14 314
\$60,000 to \$79,999	3 600	175	1 176	772	916	393	110	37	21	3.08	11 536
\$80,000 to \$99,999	1 219	32	311	207	393	153	78	33	12	3.65	4 408
\$100,000 to \$149,999	767	35	225	95	250	113	35	14	—	3.61	2 887
\$150,000 or more	202	8	65	41	20	52	—	11	5	3.18	611
Median	\$45 300	\$33 800	\$43 300	\$47 000	\$51 500	\$49 000	\$50 900	\$45 700	\$50 400	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	28 343	4 541	9 740	5 056	5 464	2 311	747	343	141	2.49	81 481
Median income	\$22 983	\$9 205	\$22 059	\$25 881	\$26 862	\$26 352	\$29 021	\$31 734	\$30 549	...	...
Median selected monthly owner costs as percentage of household income	16.4	22.8	13.9	15.9	17.5	17.3	17.3	13.7	14.2	...	...
With a mortgage	18.5	25.0	17.7	18.1	18.5	18.3	18.0	14.1	14.5	...	...
Not mortgaged	11.5	21.2	10.2	10—	10—	10—	10—	10—	10—	...	...
Income in 1979 below poverty level	1 221	515	271	153	189	34	24	15	20	1.85	...
Median income	\$3 206	\$2 818	\$3 227	\$4 005	\$4 023	\$2500—	\$5 357	\$6 875	\$10 833	...	...
Median selected monthly owner costs as percentage of household income	50+	50+	50+	50+	50+	50.0	50+	50+	36.3	...	...
With a mortgage	50+	50+	50+	50+	50+	50+	50+	50+	36.3	...	...
Not mortgaged	47.8	50+	44.6	29.0	50+	45.0	—	32.5	—	...	...
<b>Renter-occupied housing units</b>	<b>13 304</b>	<b>6 035</b>	<b>3 962</b>	<b>1 701</b>	<b>872</b>	<b>469</b>	<b>163</b>	<b>68</b>	<b>34</b>	<b>1.66</b>	<b>26 055</b>
Nonrelatives present	2 033	—	1 399	388	154	51	20	—	21	2.23	4 962
<b>ROOMS</b>											
1 room	521	497	18	6	—	—	—	—	—	1.02	532
2 rooms	1 178	1 027	127	24	—	—	—	—	—	1.07	1 361
3 rooms	3 441	2 382	888	148	16	—	—	7	—	1.22	4 569
4 rooms	4 182	1 446	1 745	685	239	52	15	—	—	1.87	8 134
5 rooms	2 099	445	753	423	260	159	38	17	4	2.30	5 291
6 rooms	1 075	155	254	246	169	160	61	18	12	3.02	3 426
7 or more rooms	808	83	177	169	188	98	49	26	18	3.35	2 742
Median	3.9	3.1	4.0	4.5	5.2	5.6	6.0	6.1	6.6	...	...
<b>PLUMBING FACILITIES BY PERSONS PER ROOM</b>											
Complete plumbing for exclusive use	12 844	5 724	3 873	1 671	848	463	163	68	34	1.68	25 400
1.00 or less	12 615	5 724	3 855	1 647	832	417	110	26	4	1.65	24 209
1.01 to 1.50	195	—	—	24	16	46	53	35	21	5.72	1 056
1.51 or more	34	—	18	—	—	—	—	7	9	2.44	135
Lacking complete plumbing for exclusive use	460	311	89	30	24	6	—	—	—	1.24	655
1.00 or less	448	311	89	24	24	—	—	—	—	1.22	610
1.01 to 1.50	6	—	—	—	—	6	—	—	—	5.00	27
1.51 or more	6	—	—	6	—	—	—	—	—	3.00	18
<b>UNITS IN STRUCTURE</b>											
1, detached or attached	3 426	797	859	693	532	318	136	61	30	2.58	9 548
2	1 277	444	518	165	83	51	9	7	—	1.88	2 696
3 and 4	1 535	908	416	119	52	34	6	—	—	1.35	2 522
5 to 9	1 762	940	563	188	38	17	12	—	4	1.44	2 949
10 to 49	4 003	2 145	1 257	439	129	33	—	—	—	1.43	6 403
50 or more	1 241	766	341	89	38	7	—	—	—	1.31	1 829
Mobile home or trailer, etc.	60	35	8	8	—	9	—	—	—	1.36	108
<b>GROSS RENT</b>											
Specified renter-occupied housing units	13 177	6 018	3 895	1 684	859	456	163	68	34	1.65	25 691
Less than \$100	82	694	75	37	16	—	—	—	—	1.09	1 030
\$100 to \$149	90	663	177	38	22	—	—	7	—	1.18	1 206
\$150 to \$199	2 01	1 309	441	161	54	41	8	—	—	1.27	3 175
\$200 to \$249	2 800	1 488	808	302	91	62	20	17	12	1.44	4 818
\$250 to \$299	2 515	862	926	388	170	121	26	18	4	1.93	5 385
\$300 to \$349	1 860	523	738	342	183	56	18	—	—	2.05	4 052
\$350 to \$399	976	210	351	183	108	84	31	9	—	2.29	2 435
\$400 to \$499	75	109	235	149	138	59	52	9	—	2.71	2 132
\$500 or more	228	17	69	48	43	25	—	8	18	3.08	850
No cash rent	304	143	75	36	34	8	—	—	—	1.62	608
Median	\$248	\$209	\$272	\$287	\$316	\$300	\$359	\$289	\$500+	...	...
<b>SELECTED CHARACTERISTICS</b>											
All income levels in 1979	13 304	6 035	3 962	1 701	872	469	163	68	34	1.66	26 055
Median income	\$12 180	\$9 355	\$15 461	\$15 327	\$16 577	\$15 729	\$15 139	\$14 500	\$10 000	...	...
Median gross rent as percentage of household income	23.9	25.6	21.9	22.7	22.5	24.5	27.4	30.0	40.0	...	...
Income in 1979 below poverty level	2 195	1 025	552	270	164	106	39	22	17	1.63	...
Median income	\$3 175	\$2 545	\$3 340	\$3 631	\$5 254	\$6 786	\$8 083	\$3 382	\$2500—	...	...
Median gross rent as percentage of household income	50+	50+	50+	50+	50+	46.0	46.3	50+	50+	...	...

Table B—10. Household Composition and Age of Householder for Owner- and Renter-Occupied Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendices A and B.]

Cedar Rapids city																		
Owner-occupied housing units -----																		
PERSONS IN UNIT																		
Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Male householder, no wife present					Female householder, no husband present					Median age		
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over			
	28 343	4 993	4 205	7 889	2 940	223	717	326	507	577	123	577	539	1 466	2 433		48.4	
	4 541	869	331	3 866	2 617	121	459	202	299	430	48	168	84	725	2 005		66.5	
	9 740	410	712	1 708	262	70	141	59	86	115	55	179	96	504	342		58.6	
	5 056	319	1 735	1 266	41	32	88	33	93	32	7	131	149	138	75		42.4	
	5 464	9	1 992	624	12	—	13	32	23	—	—	78	128	66	11		37.8	
	2 311	13	906	425	8	—	16	—	6	—	—	8	16	39	17		39.4	
	1 231	7	201	255	206	142	—	—	—	135	175	5	5	43	16		42.2	
	2.49	2.51	3.68	2.34	2.06	348	1 183	582	873	749	275	1 355	1 701	2 582	2 985		...	
81 481	2 216	18 500	23 791	6 193	—	—	—	—	—	—	—	—	—	—	—	...		
PLUMBING FACILITIES BY PERSONS PER ROOM																		
Total	Complete plumbing for exclusive use -----																	
	1.01 or more persons per room -----																	
	Lacking complete plumbing for exclusive use -----																	
	1.01 or more persons per room -----																	
MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																		
Specified owner-occupied housing units -----																		
Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Male householder, no wife present					Female householder, no husband present					Median age		
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over			
	25 591	4 687	3 958	7 298	2 662	127	584	252	397	514	73	482	499	1 231	2 132		48.3	
	17 105	4 522	3 714	4 812	130	127	557	226	199	54	60	452	432	600	229		39.6	
	5 852	866	1 465	2 793	130	32	95	61	55	15	4	63	44	117	27		46.0	
	15 to 19 percent	1 130	928	954	122	30	142	87	25	9	6	60	51	135	13		38.2	
	20 to 24 percent	3 065	1 176	608	456	48	22	114	34	62	5	10	105	73	106		36	34.3
	25 to 29 percent	1 810	714	318	248	64	14	85	15	25	13	—	52	59	85		15	34.4
	30 to 34 percent	1 895	84	278	104	10	8	33	6	7	12	21	39	52	33		30	34.5
	35 percent or more	1 593	36	358	249	77	21	82	23	25	—	19	121	148	117		108	38.6
Not computed	46	—	8	—	—	—	—	—	—	—	—	—	—	—	—	36.9		
Median	18.5	22.3	17.1	13.8	18.9	20.3	21.7	18.0	21.6	23.0	32.4	24.6	28.9	22.1	33.9	...		
8.4	25	165	244	2 486	2 211	—	27	26	198	460	13	30	67	631	1 903	66.2		
3 644	4	111	171	1 926	699	—	24	19	104	98	—	12	13	210	253	60.0		
1 835	11	41	42	368	792	—	—	7	47	111	—	5	25	120	266	68.4		
1 035	6	—	12	6	154	—	—	—	—	74	—	—	—	17	125	70.7		
15 to 19 percent	626	—	8	34	62	—	—	—	20	87	—	—	—	9	50	291	74.1	
20 to 24 percent	435	4	6	—	26	—	—	—	5	25	—	—	—	17	165	237	70.7	
25 to 29 percent	239	—	—	—	101	—	—	—	8	51	—	—	—	—	17	165	75.5	
30 to 34 percent	607	—	—	27	—	—	—	—	—	51	—	—	—	—	55	347	74.3	
35 percent or more	65	—	—	6	—	—	—	3	—	5	—	—	—	—	7	33	70.4	
Not computed	11.5	13.9	10—	10—	12.6	—	—	10—	10—	10—	16.4	45.0	13.0	14.2	21.8	...		
13 304	892	1 351	378	628	357	1 341	1 229	346	568	325	1 508	1 471	475	1 014	1 421	31.2		
Renter-occupied housing units -----																		
PERSONS IN UNIT																		
Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Male householder, no wife present					Female householder, no husband present					Median age		
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over			
	6 035	—	—	—	—	723	745	246	494	280	696	623	246	646	1 336		39.4	
	3 962	482	38	372	309	450	351	63	56	29	545	429	101	224	76		28.0	
	1 701	236	122	121	42	139	99	22	4	7	179	259	55	70	9		28.0	
	872	109	85	77	6	29	5	10	5	7	71	79	35	30	9		29.7	
	469	54	207	19	—	—	9	—	—	—	10	41	21	24	—		32.1	
	265	11	48	39	—	—	20	5	9	—	7	40	17	20	—		35.9	
	Median	1.66	2.43	3.21	2.34	2.08	1.43	1.32	1.20	1.07	1.08	1.61	1.76	1.47	1.28		1.03	...
	26 055	2 396	4 403	1 807	767	2 106	1 880	499	703	352	2 682	3 037	919	1 535	1 501		...	
PLUMBING FACILITIES BY PERSONS PER ROOM																		
Total	Complete plumbing for exclusive use -----																	
	1.01 or more persons per room -----																	
	Lacking complete plumbing for exclusive use -----																	
	1.01 or more persons per room -----																	
GROSS RENT AS PERCENTAGE OF HOUSEHOLD INCOME IN 1979																		
Specified renter-occupied housing units -----																		
Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Male householder, no wife present					Female householder, no husband present					Median age		
	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over			
	13 177	881	1 336	378	606	349	1 324	1 215	346	560	325	1 508	1 453	468	1 012		1 416	31.2
	2 224	190	280	90	174	70	180	274	161	263	39	132	157	8	113		93	33.1
	2 303	181	274	125	138	21	267	318	57	86	33	204	237	85	146		131	30.8
	2 312	208	252	40	49	78	224	277	61	48	29	206	294	116	249		181	30.8
	1 547	125	160	28	63	46	178	123	11	43	46	135	166	53	162		208	31.0
	962	62	87	43	7	24	125	68	15	—	39	152	127	28	39		146	28.8
	1 449	44	122	44	72	54	113	49	22	63	56	237	195	54	101		203	32.6
	1 900	64	117	—	56	30	207	57	13	57	36	417	236	96	155		376	30.5
Not computed	480	5	44	8	47	26	30	6	—	46	25	41	28	47	78	46.5		
Median	23.9	21.6	21.8	18.8	18.8	24.5	24.5	19.9	15.8	16.0	29.2	32.1	25.5	26.0	24.5	31.9	...	



Table B—11. Age and Sex of Householder in One-Person Households for Owner- and Renter-Occupied Housing Units: 1980

(Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B.)

Cedar Rapids city	Total	Male householder						Female householder					
		Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over	Total	15 to 24 years	25 to 34 years	35 to 44 years	45 to 64 years	65 years and over
<b>Owner-occupied housing units</b> .....	<b>4 541</b>	<b>1 511</b>	<b>121</b>	<b>459</b>	<b>202</b>	<b>299</b>	<b>430</b>	<b>3 030</b>	<b>48</b>	<b>168</b>	<b>84</b>	<b>725</b>	<b>2 005</b>
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use .....	4 513	1 501	121	459	202	294	425	3 012	48	168	84	725	1 987
Lacking complete plumbing for exclusive use .....	28	10	—	—	—	5	5	18	—	—	—	—	18
<b>UNITS IN STRUCTURE</b>													
1, detached or attached .....	3 907	1 276	56	383	179	244	414	2 631	25	128	78	605	1 795
2 or more .....	471	132	32	35	17	48	—	339	11	33	6	92	197
Mobile home or trailer, etc. ....	163	103	33	41	6	7	16	60	12	7	—	28	13
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000 .....	1 138	133	—	21	—	20	92	1 005	6	12	3	140	844
\$5,000 to \$9,999 .....	1 281	285	17	11	13	54	190	996	18	27	14	168	769
\$10,000 to \$12,499 .....	370	122	11	48	14	24	25	248	—	27	11	131	79
\$12,500 to \$14,999 .....	421	183	29	73	12	44	25	238	6	18	18	83	113
\$15,000 to \$19,999 .....	610	341	39	121	39	82	60	269	13	53	26	133	44
\$20,000 to \$24,999 .....	388	249	22	144	43	34	6	139	5	24	12	37	61
\$25,000 to \$34,999 .....	220	148	3	30	67	25	23	72	—	—	—	33	39
\$35,000 to \$49,999 .....	63	34	—	7	14	10	3	29	—	7	—	—	22
\$50,000 or more .....	50	16	—	4	—	6	6	34	—	—	—	—	34
Median .....	\$9 205	\$15 661	\$15 461	\$18 288	\$22 054	\$16 172	\$7 092	\$7 053	\$11 250	\$15 000	\$14 444	\$11 040	\$5 734
Mean .....	\$12 396	\$16 215	\$15 418	\$18 561	\$22 122	\$17 015	\$10 605	\$10 492	\$10 743	\$14 351	\$14 244	\$11 796	\$9 533
<b>MORTGAGE STATUS AND SELECTED MONTHLY OWNER COSTS</b>													
<b>Specified owner-occupied housing units</b> .....	<b>3 745</b>	<b>1 180</b>	<b>50</b>	<b>357</b>	<b>167</b>	<b>224</b>	<b>382</b>	<b>2 565</b>	<b>25</b>	<b>128</b>	<b>72</b>	<b>588</b>	<b>1 752</b>
With a mortgage .....	1 316	693	50	330	154	127	32	623	25	121	51	244	182
Less than \$200 .....	207	51	—	—	5	21	25	156	—	—	—	67	89
\$200 to \$249 .....	208	97	7	36	16	36	—	111	—	11	14	65	21
\$250 to \$299 .....	220	123	5	62	29	20	7	97	—	32	11	28	26
\$300 to \$349 .....	196	94	16	56	10	12	—	102	—	32	7	52	11
\$350 to \$399 .....	158	97	—	70	20	7	—	61	5	18	13	12	13
\$400 to \$499 .....	202	127	—	75	48	4	—	75	13	28	—	20	14
\$500 to \$599 .....	84	69	22	24	8	15	—	15	7	—	—	—	8
\$600 to \$749 .....	34	28	—	—	18	10	—	6	—	—	6	—	—
\$750 or more .....	7	7	—	—	—	—	—	—	—	—	—	—	—
Median .....	\$306	\$340	\$341	\$358	\$392	\$261	\$159	\$273	\$454	\$327	\$304	\$242	\$205
Not mortgaged .....	2 429	487	—	27	13	97	350	1 942	—	7	21	344	1 570
Less than \$50 .....	19	—	—	—	—	—	—	19	—	—	—	—	19
\$50 to \$74 .....	220	82	—	8	—	24	50	138	—	—	—	29	109
\$75 to \$99 .....	474	85	—	8	7	18	52	389	—	—	7	32	350
\$100 to \$124 .....	696	143	—	—	6	7	130	553	—	7	—	86	460
\$125 to \$149 .....	509	91	—	6	—	25	60	418	—	—	—	96	322
\$150 to \$199 .....	335	58	—	5	—	13	40	277	—	—	10	71	196
\$200 to \$249 .....	102	12	—	—	—	—	12	90	—	—	4	18	68
\$250 or more .....	74	16	—	—	—	10	6	58	—	—	—	12	46
Median .....	\$118	\$113	—	\$92	\$98	\$123	\$114	\$119	—	\$113	\$167	\$132	\$117
<b>SELECTED CHARACTERISTICS</b>													
Median selected monthly owner costs as percentage of household income in 1979 .....	22.8	20.3	23.9	23.8	18.6	17.4	18.6	24.3	50+	25.6	25.8	21.0	25.2
With a mortgage .....	25.0	22.5	23.9	24.6	19.1	20.9	26.2	29.8	50+	26.2	30.9	24.7	39.5
Not mortgaged .....	21.2	14.9	—	10—	10—	10—	18.0	22.6	—	10—	11.4	17.2	23.9
Income in 1979 below poverty level .....	515	66	—	21	—	20	25	449	6	12	3	75	353
Percent below poverty level .....	11.3	4.4	—	4.6	—	6.7	5.8	14.8	12.5	7.1	3.6	10.3	17.6
<b>Renter-occupied housing units</b> .....	<b>6 035</b>	<b>2 488</b>	<b>723</b>	<b>745</b>	<b>246</b>	<b>494</b>	<b>280</b>	<b>3 547</b>	<b>696</b>	<b>623</b>	<b>246</b>	<b>646</b>	<b>1 336</b>
<b>PLUMBING FACILITIES</b>													
Complete plumbing for exclusive use .....	5 724	2 304	681	687	233	444	259	3 420	642	623	233	634	1 288
Lacking complete plumbing for exclusive use .....	311	184	42	58	13	50	21	127	54	—	13	12	48
<b>UNITS IN STRUCTURE</b>													
1, detached or attached .....	797	381	142	126	21	39	53	416	48	92	12	101	163
2 .....	444	171	48	38	23	45	17	273	41	64	27	57	84
3 and 4 .....	908	331	105	74	32	79	41	577	138	121	54	107	157
5 to 9 .....	940	387	120	107	49	91	20	553	133	121	67	114	118
10 to 49 .....	2 145	925	282	331	102	154	56	1 220	283	218	69	195	45—
50 or more .....	766	270	20	63	19	80	88	496	47	7	17	66	359
Mobile home or trailer, etc. ....	35	23	6	6	—	6	5	12	6	—	—	6	—
<b>HOUSEHOLD INCOME IN 1979</b>													
Less than \$5,000 .....	1 654	445	134	68	8	96	139	1 209	208	80	43	119	759
\$5,000 to \$9,999 .....	1 562	445	225	63	17	87	53	1 117	293	188	79	222	335
\$10,000 to \$12,499 .....	873	351	168	95	33	28	27	522	145	147	51	122	57
\$12,500 to \$14,999 .....	500	265	55	119	13	34	44	235	25	61	20	52	77
\$15,000 to \$19,999 .....	804	476	113	239	55	57	12	328	25	110	40	100	53
\$20,000 to \$24,999 .....	350	285	17	128	63	77	—	65	—	18	5	25	17
\$25,000 to \$34,999 .....	203	170	6	22	51	86	5	33	—	—	8	6	19
\$35,000 to \$49,999 .....	40	17	—	—	—	17	—	23	—	12	—	—	11
\$50,000 or more .....	49	34	5	11	6	12	—	15	—	7	—	—	8
Median .....	\$9 355	\$12 528	\$10 037	\$15 370	\$19 712	\$15 156	\$5 060	\$7 667	\$7 381	\$10 740	\$10 049	\$9 591	\$4 643
Mean .....	\$10 646	\$13 531	\$9 957	\$15 418	\$19 109	\$16 563	\$7 486	\$8 623	\$7 226	\$11 869	\$10 115	\$9 890	\$6 950
<b>GROSS RENT</b>													
<b>Specified renter-occupied housing units</b> .....	<b>6 018</b>	<b>2 478</b>	<b>723</b>	<b>735</b>	<b>246</b>	<b>494</b>	<b>280</b>	<b>3 540</b>	<b>696</b>	<b>623</b>	<b>246</b>	<b>644</b>	<b>1 331</b>
Less than \$100 .....	694	214	6	15	27	93	73	480	31	6	8	89	346
\$100 to \$149 .....	663	217	70	62	8	39	38	446	94	42	33	68	209
\$150 to \$199 .....	1 309	479	128	99	45	144	63	830	175	153	91	139	272
\$200 to \$249 .....	1 488	611	233	207	44	93	34	877	254	183	42	166	232
\$250 to \$299 .....	862	406	178	137	50	32	9	456	122	117	28	76	113
\$300 to \$349 .....	523	368	81	146	33	75	33	155	13	70	7	37	28
\$350 to \$399 .....	210	85	21	39	13	12	—	125	7	35	23	13	47
\$400 to \$499 .....	109	46	6	21	14	—	5	63	—	5	—	23	35
\$500 or more .....	17	12	—	—	6	6	—	5	—	—	—	—	5
No cash rent .....	143	40	—	9	6	—	25	103	—	12	14	33	44
Median .....	\$209	\$229	\$236	\$246	\$247	\$190	\$168	\$198	\$211	\$226	\$194	\$203	\$162
<b>SELECTED CHARACTERISTICS</b>													
Median gross rent as percentage of household income in 1979 .....	25.6	22.1	28.2	20.6	15.5	16.3	29.2	28.2	33.8	24.5	22.7	24.3	31.6
Income in 1979 below poverty level .....	1 025	303	110	60	8	72	53	722	149	55	43	100	375
Percent below poverty level .....	17.0	12.2	15.2	8.1	3.3	14.6	18.9	20.4	21.4	8.8	17.5	15.5	28.1

Table B—12. Duration of Vacancy for Year-Round Vacant for Sale and Vacant for Rent Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Cedar Rapids city					Cedar Rapids city				
	Total	Less than 2 months	2 up to 6 months	6 or more months		Total	Less than 2 months	2 up to 6 months	6 or more months
Vacant for sale only housing units	386	252	102	32	Vacant for rent housing units	970	552	295	123
<b>ROOMS</b>					<b>ROOMS</b>				
1 to 3 rooms	—	—	—	—	1 room	42	38	4	—
4 rooms	130	100	24	6	2 rooms	89	56	33	—
5 rooms	95	57	30	8	3 rooms	265	174	72	19
6 rooms	82	40	28	14	4 rooms	371	183	109	79
7 rooms	49	36	9	4	5 rooms	119	67	34	18
8 or more rooms	30	19	11	—	6 rooms	74	31	43	—
Median	5.2	5.0	5.4	5.6	7 or more rooms	10	3	—	7
					Median	3.7	3.5	3.9	4.0
<b>PLUMBING FACILITIES</b>					<b>PLUMBING FACILITIES</b>				
Complete plumbing for exclusive use	383	249	102	32	Complete plumbing for exclusive use	944	536	295	113
Locking complete plumbing for exclusive use	3	3	—	—	Locking complete plumbing for exclusive use	26	16	—	10
<b>BEDROOMS</b>					<b>BEDROOMS</b>				
None	—	—	—	—	None	69	50	19	—
1	39	32	7	—	1	385	229	123	33
2	183	125	41	17	2	396	217	99	80
3	158	93	50	15	3	109	56	50	3
4	6	2	4	—	4	—	—	—	—
5 or more	—	—	—	—	5 or more	11	—	4	7
<b>YEAR STRUCTURE BUILT</b>					<b>YEAR STRUCTURE BUILT</b>				
1975 to March 1980	178	128	35	15	1975 to March 1980	169	100	69	—
1970 to 1974	25	—	25	—	1970 to 1974	52	36	16	—
1960 to 1969	55	48	4	3	1960 to 1969	236	99	93	44
1950 to 1959	40	23	10	7	1950 to 1959	98	70	21	7
1940 to 1949	20	17	3	—	1940 to 1949	127	91	19	17
1939 or earlier	68	36	25	7	1939 or earlier	288	156	77	55
<b>UNITS IN STRUCTURE</b>					<b>UNITS IN STRUCTURE</b>				
1, detached or attached	257	141	95	21	1, detached or attached	200	102	61	37
2 or more	129	111	7	11	2	99	53	19	27
Mobile home or trailer	—	—	—	—	3 and 4	130	92	34	4
<b>HEATING EQUIPMENT</b>					5 to 9	164	84	43	37
Central heating system	380	249	99	32	10 to 49	290	139	133	18
Other means	6	3	3	—	50 or more	87	82	5	—
None	—	—	—	—	Mobile home or trailer	—	—	—	—
<b>PRICE ASKED</b>					<b>RENT ASKED</b>				
Specified vacant for sale only housing units	247	141	85	21	Specified vacant for rent housing units	964	546	295	123
Less than \$10,000	6	3	3	—	Less than \$100	42	33	5	4
\$10,000 to \$19,999	—	—	—	—	\$100 to \$149	94	33	35	26
\$20,000 to \$29,999	15	8	7	—	\$150 to \$199	244	164	65	15
\$30,000 to \$39,999	39	22	17	—	\$200 to \$249	207	127	46	34
\$40,000 to \$49,999	27	11	15	1	\$250 to \$299	248	112	92	44
\$50,000 to \$59,999	15	9	—	6	\$300 to \$399	112	69	43	—
\$60,000 to \$79,999	86	49	23	14	\$400 or more	17	8	9	—
\$80,000 to \$99,999	31	22	9	—	Median	\$229	\$221	\$246	\$234
\$100,000 or more	28	17	11	—					
Median	\$63 100	\$63 500	\$60 300	\$70 400					

Table B—13. Price Asked and Rent Asked for Year-Round Vacant Housing Units: 1980

[Data are estimates based on a sample, see Introduction. For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

Price asked—Specified vacant for sale only housing units								Rent asked—Specified vacant for rent housing units							
	Total	Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or more	Median (dollars)		Total	Less than \$100	\$100 to \$199	\$200 to \$299	\$300 to \$399	\$400 or more	Median (dollars)
<b>Cedar Rapids city</b>															
Total	247	6	15	66	132	28	63 100	964	42	338	455	112	17	229	
<b>PLUMBING FACILITIES</b>															
Complete plumbing for exclusive use	244	3	15	66	132	28	63 300	938	37	317	455	112	17	231	
Locking complete plumbing for exclusive use	3	3	—	—	—	—	10000—	26	5	21	—	—	—	—	123
<b>BEDROOMS</b>															
None	—	—	—	—	—	—	—	69	17	41	11	—	—	—	130
1	12	3	—	9	—	—	31 700	385	25	194	132	34	—	—	188
2	82	—	15	44	23	—	39 600	390	—	53	285	35	17	—	277
3	147	3	—	11	107	26	76 200	109	—	43	23	43	—	—	261
4	6	—	—	2	2	2	95 000	—	—	—	—	—	—	—	—
5 or more	—	—	—	—	—	—	—	11	—	7	4	—	—	—	128
<b>YEAR STRUCTURE BUILT</b>															
1975 to March 1980	75	—	—	—	73	2	77 800	169	5	17	69	61	17	—	293
1970 to 1974	25	—	7	—	9	9	86 100	48	—	16	30	2	—	—	217
1960 to 1969	36	—	—	4	15	17	68 300	236	—	31	178	27	—	—	278
1950 to 1959	40	—	—	34	6	—	35 500	98	5	39	45	9	—	—	208
1940 to 1949	20	—	—	7	13	—	61 200	125	—	73	52	—	—	—	189
1939 or earlier	51	6	8	21	16	—	46 000	288	32	162	81	13	—	—	166
<b>UNITS IN STRUCTURE</b>															
1, detached or attached	247	6	15	66	132	28	63 100	194	—	77	105	12	—	—	216
2 or more	—	—	—	—	—	—	—	770	42	261	350	100	17	—	235
Mobile home or trailer	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Appendix A.—Area Classifications

REGIONS . . . . . A-1

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REGIONS

Regions are large groups of States that form the first-order subdivisions of the United States for census purposes. The four regions are the Northeast, North Central, South, and West.

STATES

The 50 States and the District of Columbia are the constituent units of the United States.

PLACES

Two types of places are recognized in the census reports—incorporated places and census designated places—as defined below. Places with a 1980 population below 50,000 are not shown in this report unless they are central cities of standard metropolitan statistical areas.

Incorporated Places

Incorporated places recognized in the reports of the census are those which are incorporated under the laws of their respective States as cities, boroughs, towns, and villages, with the following exceptions: boroughs in Alaska and New York, and towns in the six

New England States, New York, and Wisconsin.

Census Designated Places

As in the 1950, 1960, and 1970 censuses, the Census Bureau has delineated boundaries for closely settled population centers without corporate limits. In 1980, the name of each such place is followed by "(CDP)," meaning "census designated place." In the 1970 and earlier censuses, these places were identified by "(U)," meaning "unincorporated place."

Census designated place boundaries change with changes in the settlement pattern; a place which has the same name as in previous censuses does not necessarily have the same boundaries. Boundary outlines for CDP's appear on the county subdivision maps in the HC80-1-A, *General Housing Characteristics*, reports for States. Detailed maps are available for purchase from the Census Bureau.

Eleven states, (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New York, New Jersey, Pennsylvania, Rhode Island, Vermont, and Wisconsin), contain towns or townships which are coextensive with census designated places (CDP's). Data for these areas are not shown in the tables.

STANDARD METROPOLITAN  
STATISTICAL AREAS

Definition

The general concept of a metropolitan area is one of a large population nucleus, together with adjacent communities which have a high degree of economic and social integration with that nucleus. The standard metropolitan statistical area (SMSA) classification is a statistical standard, developed for use by Federal agencies in the production, analysis, and publication of data on metropolitan areas. The SMSA's are designated and defined

by the Office of Management and Budget, following a set of official published standards developed by the interagency Federal Committee on Standard Metropolitan Statistical Areas.

Each SMSA has one or more central counties containing the area's main population concentration: an urbanized area with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close economic and social relationships with the central counties. The outlying counties must have a specified level of commuting to the central counties and must also meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. In New England, SMSA's are composed of cities and towns rather than whole counties.

The housing units in SMSA's may also be referred to as the metropolitan housing and are subdivided into "inside central city (or cities)" and "outside central city (or cities)." The housing units outside SMSA's constitute the non-metropolitan housing.

In the United States Summary report and the State reports, the data shown for "Central Cities of SMSA's" are the sum of all central cities excluding any rural area and any legal area that is outside of a standard metropolitan statistical area. In the individual SMSA reports, the data shown for central cities and places of 50,000 or more inhabitants are for the legal definition of the city without regard to urban or SMSA restrictions.

SMSA Titles

Each SMSA except one (Nassau-Suffolk, N.Y.) has at least one central city. The titles of SMSA's include up to three city names, as well as the name of each State into which the SMSA extends. For the 1980 census, central cities of SMSA's are those named in the titles of the SMSA's,

with the exception of Nassau-Suffolk, N.Y., which has no central city, and Northeast Pennsylvania, the central cities of which are Scranton, Wilkes-Barre, and Hazleton. Data on central cities of SMSA's include the entire population and housing within the legal city boundaries. In Hawaii where there are no incorporated places recognized by the Bureau of the Census, census designated places are recognized as central cities.

### New SMSA Standards

New standards for designating and defining metropolitan statistical areas were published in the *Federal Register* on January 3, 1980. The SMSA's recognized for the 1980 census comprise (1) all areas as defined on January 1, 1980, except for one area which was defined provisionally during the 1970's on the

basis of population estimates but whose qualification was not confirmed by 1980 census counts; and (2) a group of 36 new areas defined on the basis of 1980 census counts and the new standards that were published on January 3, 1980.

When the data on commuting flows become available from 1980 census tabulations, the new standards will be applied to the areas existing on January 1, 1980, and the boundaries, definitions, and titles for all SMSA's will be reviewed.

To aid users who want to become familiar with the SMSA standards and how they are applied, documents are available from the Office of Management and Budget, Washington, D.C. 20503.

### BOUNDARY CHANGES

The boundaries of some of the areas shown in this series of reports have

changed between an earlier census and January 1, 1980. Information on boundary changes for incorporated places is presented in table 4 of the 1980 Census of Population report, *Characteristics of the Population, Number of Inhabitants*, PC80-1-A. For information on boundary changes prior to 1970, see the *Number of Inhabitants* report for each census.

### AREA MEASUREMENT

Area measurement figures for standard metropolitan statistical areas, central cities, and places of 50,000 inhabitants or more can be found in the 1980 Census of Population report, PC80-1-A1, United States Summary.



Appendix B.—Definitions and Explanations of Subject Characteristics

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		The 1980 census was conducted primarily through self-enumeration. The principal	

determinant for the responses was, therefore, the questionnaire and its accompanying instruction guide. Furthermore, census takers were instructed, in their telephone and personal-visit interviews, to read the questions directly from the questionnaire. The definitions and explanations given below for each subject are drawn largely from various technical and procedural materials used in the collection of the data. These materials helped the census interviewers to understand more fully the intent of each question, and thus to resolve problems or unusual cases in a manner consistent with this intent. Also included is certain explanatory information to assist the user in the proper utilization of the statistics.

Facsimiles of the questionnaire pages containing the population and housing questions used to produce the data shown in this report and the pages of the respondent instruction guide which relate to these questions are presented in Appendix E, "Facsimiles of Respondent Instructions and Questionnaire Pages."

**LIVING QUARTERS**

Living quarters are classified in the census as either housing units or group quarters. Usually, living quarters are in structures intended for residential use (e.g., a one-family home, apartment house, hotel or motel, boarding house, mobile home or trailer). However, living quarters may also be in structures intended for non-residential use (e.g., the rooms in a warehouse where a night guard lives), as well as in boats, tents, vans, etc.

**Housing Units**—A housing unit is a house, an apartment, a group of rooms, or a single room occupied as a separate living quarters or, if vacant, intended for occupancy as a separate living quarters. Separate living quarters are those in which the occupants live and eat separately from

any other persons in the building and which have direct access from the outside of the building or through a common hall. The occupants may be a single family, one person living alone, two or more families living together, or any other group of related or unrelated persons who share living arrangements (except as described in the next section on Group Quarters). For vacant units, the criteria of separateness and direct access are applied to the intended occupants whenever possible. If that information cannot be obtained, the criteria are applied to the previous occupants. Both occupied and vacant housing units are included in the housing unit inventory except that boats, tents, vans, caves, and the like are included only if they are occupied as someone's usual place of residence. Vacant mobile homes are included, provided they are intended for occupancy on the site where they stand. Vacant mobile homes on dealers' sales lots, at the factory, or in storage are excluded from the housing inventory.

**Comparability With 1970 Census Housing Unit Data**—Although the 1980 census data are generally comparable with 1970 census data, certain changes were introduced for 1980. The part of the 1970 housing unit definition that required a unit to have either (1) direct access or (2) complete kitchen facilities was modified. For 1980, the complete kitchen facilities alternative was dropped, and direct access was required of all housing units. In 1970, vacant mobile homes were not counted as housing units. For 1980, they were included in the housing inventory provided they were intended for occupancy on the site where they stood.

**Group Quarters**—Group quarters are any living quarters which are not classified as housing units. There are two types of group quarters: (1) institutional group quarters, and (2) noninstitutional group quarters. Institutional group quarters are living quarters occupied by one or more persons under care or custody, such as children in an orphanage, persons in a nursing home, and prisoners in a penitentiary. Noninstitutional group quarters include living quarters such as college-owned and/or operated dormitories, fraternity and sorority houses, nurses' dormitories, and boarding houses. In addition, noninstitutional group quarters include any living

quarters (other than those classified as institutional group quarters) which are occupied by 9 or more persons unrelated to the householder (person listed in column 1 of the census questionnaire), or by 10 or more unrelated persons. Information on the housing characteristics of group quarters was not collected in the census.

**Comparability With 1970 Census Group Quarters Data**—In 1970 a unit was classified as group quarters if it was shared by the person in charge and five or more persons unrelated to him or her, or if there was no person in charge, by six or more unrelated persons. For 1980 that requirement was raised to 9 or more persons unrelated to the person listed in column 1 of the census questionnaire or 10 or more unrelated persons.

**Rules for Hotels, Rooming Houses, Etc.**—Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents; i.e., persons who consider the hotel as their usual place of residence or who have no usual place of residence elsewhere. Vacant rooms or suites of rooms are classified as housing units only in those hotels in which 75 percent or more of the accommodations are occupied by permanent residents.

If any of the occupants in a rooming or boarding house live and eat separately from everyone else in the building and have direct access, their quarters are classified as separate housing units. The remaining quarters are combined. If the combined quarters contain eight or fewer roomers unrelated to the householder, they are classified as one housing unit. If the combined quarters contain nine or more roomers unrelated to the householder or person in charge, they are classified as group quarters.

**Staff Living Quarters**—The living quarters occupied by staff personnel within any group quarters are separate housing units if they satisfy the housing unit criteria of separateness and direct access; otherwise, they are considered as group quarters.

**Year-Round Housing Units**—Data on housing characteristics in the 1980 census reports are limited to year-round housing units; i.e., all occupied units plus vacant

units available or intended for year-round use. Vacant units intended for seasonal occupancy and vacant units held for migratory labor are excluded because of the difficulty of obtaining reliable data on their characteristics.

### OCCUPANCY AND VACANCY CHARACTERISTICS

**Occupied Housing Units**—A housing unit is classified as occupied if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; e.g., away on vacation. If all the persons staying in the unit at the time of the census have their usual place of residence elsewhere, the unit is classified as vacant. A household includes all the persons who occupy a housing unit as their usual place of residence. By definition, therefore, the number of occupied housing units equals the number of households in the 1980 Census of Population reports.

In this report the numbers shown for occupied housing units are estimates based on a sample. In some cases there may be small differences between figures on occupied housing units shown here and comparable figures on households in the Census of Population reports. These differences may result from processing procedures used to inflate the population and housing sample data.

**Householder**—One person in each household is designated as the "householder." In most cases, this is the person, or one of the persons, in whose name the home is owned or rented and who is listed in column 1 of the census questionnaire. If there is no such person in the household, any adult household member could be designated as the "householder."

**Child**—A child is a son, daughter, stepchild, or adopted child of the householder regardless of the child's age or marital status. The category excludes sons-in-law and daughters-in-law. In this report, those classified as "own children" are sons and daughters, including stepchildren and adopted children, of the householder who are single (never married) and under 18 years of age.



**Nonrelative**—A nonrelative is any person in the household not related to the householder by birth, marriage, or adoption. Roomers, boarders, partners, roommates, paid employees, wards, and foster children are classified as nonrelatives. This report shows the number of households with one or more nonrelatives present in the unit.

**Age of Householder**—The age classification is based on the age of the person in completed years as of April 1, 1980. The data on age represent the difference, as calculated in the computer, between date of birth and April 1, 1980.

**Household Type**—Statistics by age of householder are presented separately for the following household types:

*Married-couple families.* For each household of this type, the householder and his or her spouse are enumerated as members of the same household. This category includes couples in formal marriages as well as in common-law marriages.

*Male householder, no wife present.* This type includes any household maintained by a male, regardless of his marital status, provided no wife is present in the household. Included are male householders who have no wife; male householders whose wives live elsewhere because of separation (marital discord) or other reason; and male householders who are widowed, divorced, or single.

*Female householder, no husband present.* This type includes any household maintained by a female, regardless of her marital status, provided no husband is present in the household. Included are female householders who have no husband and female householders whose husbands live elsewhere, as, for example, husbands in the Armed Forces living on a military base and female householders who are widowed, divorced, or single.

This report presents data on selected characteristics for one-person households, separately for male and female householders.

**Year Householder Moved Into Unit**—Data presented for this item are based on the in-

formation reported for the householder and refer to the year of the latest move. If the householder moved back into a unit the person previously occupied, the year of the latest move was reported. If the householder moved from one apartment to another in the same building, the year the householder moved into the present apartment was reported. The intent is to establish the year the present occupancy by the householder began. The year in which a householder moved is not necessarily the same year as the year other members of the household moved, although in the majority of cases the entire household moved at the same time (see question H19 in appendix E).

**Vacant Housing Units**—A housing unit is vacant if no one is living in it at the time of enumeration, unless its occupants are only temporarily absent. Units temporarily occupied at the time of enumeration entirely by persons who have a usual residence elsewhere are also classified as vacant.

New units not yet occupied are classified as vacant housing units if construction has reached a point where all exterior windows and doors are installed and final usable floors are in place. Vacant units are excluded if they are open to the elements; i.e., the roof, walls, windows, and/or doors no longer protect the interior from the elements, or if there is positive evidence (such as a sign on the house or in the block) that the unit is to be demolished or is condemned. Also excluded are quarters being used entirely for nonresidential purposes, such as a store or an office, or quarters used for the storage of business supplies or inventory, machinery, or agricultural products.

**Vacancy Status**—The data on vacancy status were tabulated from responses to questionnaire item C (see item C in appendix E). The data presented in this report are for year-round housing units "Vacant for sale only" and "Vacant for rent."

*For sale only.* Vacant year-round units being offered "For sale only," including individual units in cooperatives and condominium projects if the individual units are offered "For sale only."

*For rent.* Vacant year-round units offered "For rent," and vacant units offered either for rent or for sale.

**Duration of Vacancy**—The statistics on duration of vacancy refer to the length of time (in months) from the date the last occupants moved from the unit to the date of enumeration (see item D in appendix E). The data, therefore, do not provide a direct measure of the total length of time units remain vacant. For newly constructed units which have never been occupied, the duration of vacancy is counted from the date construction was completed. For recently converted or merged units, the time is reported from the date conversion or merger was completed.

**Tenure**—A housing unit is "Owner occupied" if the owner or co-owner lives in the unit, even if it is mortgaged or not fully paid for. All other occupied units are classified as "Renter occupied," including units rented for cash rent and those occupied without payment of cash rent (see question H8 in appendix E).

**Condominium Housing Units**—A condominium involves ownership that enables a person to own an apartment or house in a development of similar units and to hold a common or joint ownership in common areas, hallways, entrances, elevators, etc. The owner has a deed to the individual unit, and, very likely, a mortgage on the unit. A condominium housing unit need not be occupied by the owner to be counted as such (see question H9 in appendix E).

**Comparability With 1970 Census Condominium Housing Unit Data**—In 1970 owner-occupied cooperatives and condominium housing units were identified together. The 1980 census identifies only condominium housing units. The 1980 question provides data on vacant and renter-occupied condominium housing units, not just owner-occupied condominium housing units as in 1970.

**Race of the Householder**—The data on race of the householder were derived from the answer to question 4, for the person listed in column 1 of the census questionnaire (see appendix E). The concept of race as used by the Census Bureau reflects self-identification by respondents; it does not denote any clear-cut scientific definition of biological stock. Since the 1980 census obtained information on race through self-identification, the data represent self-classification by people according



to the race with which they identify. In this report, data are presented for housing units classified by the race of the householder.

For persons who could not provide a single response to the race question, the race of the person's mother was used; if, however, a single response could not be provided for the person's mother, the first race reported by the person was used. This is a modification of the 1970 census procedure in which the race of the person's father was used.

The category "White" includes persons who indicated their race as White, as well as persons who did not classify themselves in one of the specific race categories listed on the questionnaire but entered a response such as Canadian, German, Italian, Lebanese, or Polish. In the 1980 census, persons who did not classify themselves in one of the specific race categories but marked "Other" and/or wrote in entries such as Cuban, Puerto Rican, Mexican, or Dominican were included in the "Other" race category. In the 1970 census, most of these persons were included in the "White" category.

The category "Black" includes persons who indicated their race as Black or Negro, as well as persons who did not classify themselves in one of the specific race categories listed in the questionnaire but reported entries such as Jamaican, Black Puerto Rican, West Indian, Haitian, or Nigerian.

The category "American Indian, Eskimo, or Aleut" includes persons who classified themselves as such in one of the specific race categories. In addition, persons who did not report themselves in one of the specific race categories but entered the name of an Indian tribe or wrote in such entries as Canadian Indian, French-American Indian, or Spanish-American Indian were classified as "American Indian."

The category "Asian or Pacific Islander" includes persons who indicated their race as Chinese, Filipino, Japanese, Asian Indian, Korean, Vietnamese, Hawaiian, Samoan, and Guamanian, as well as persons who provided write-in entries of Asian and Pacific Islander groups such as Cambodian, Laotian, Pakistani, or Fijian under the "Other" race category. Also, persons who did not classify themselves in one of the specific race categories but wrote in an entry indicating one of the nine specific categories listed above (e.g., Chinese or Filipino) were classified accordingly. For example, entries of Nipponese and

Japanese American were classified as Japanese, entries of Taiwanese and Cantonese as Chinese, etc. "Race, n.e.c." includes all other persons not in the categories "White," "Black," "American Indian, Eskimo, or Aleut," and "Asian or Pacific Islander." Persons reporting in the "Other" race category and providing write-in entries such as Eurasian, Cosmopolitan, Interracial, or a Spanish origin group (e.g., Mexican, Cuban, or Puerto Rican) were included in "Race, n.e.c."

If the race entry for the householder was missing on the questionnaire, an answer was assigned in the computer according to the reported entries of race of other household members using specific rules of precedence of household relationship. If race was not entered for anyone in the household (excluding paid employees), the race of a householder in a previously processed household was assigned. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

### **Comparability Between Sample and 100-Percent Data for Race of the Householder**

Estimates of the number of householders by race shown in this report may differ from complete count figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and an additional edit and review performed on the sample questionnaires. Sampling variability and nonsampling error are explained in Appendix D, "Accuracy of the Data." The effect of the additional edit and review procedures varies substantially by racial group and geographic area but is generally negligible. A discussion of these procedures may be found in Series HC80-1-B, *Detailed Housing Characteristics*, and PC80-1-C, *Social and Economic Characteristics of the Population*.

### **Comparability With 1970 Census Data on Race of the Householder**

Differences in census procedures and reporting by respondents in the 1980 census and 1970 census seriously affect the comparability for certain race groups. First, a large number of Spanish origin persons reported their race differently in the 1980 census than in the 1970 census. This difference in reporting has a substantial impact on the population totals and

comparability for the "White" population and the "Race, n.e.c." or "Other" race populations (shown as "All other races" in most 1970 publications). A much larger proportion of the Spanish origin population in 1980 than in 1970 reported their race in the questionnaire category "Other." Second, in 1970, most persons who marked the "Other" race category and wrote in a Spanish designation such as Mexican, Venezuelan, Latino, etc., were reclassified as "White." In 1980, such persons were not reclassified but remained in the "Other" race category. As a result of this procedural change and the differences in reporting by this population, the proportion of the Spanish origin population classified as "Other" race in the 1980 census was substantially higher than that in the 1970 census. Nationally in 1970, only 1 percent of the Spanish origin persons were classified as "Other" race and 93 percent as "White." The 1980 census sample data showed a much larger proportion—38 percent—of the Spanish origin persons reported their race as "Other" and only 58 percent reported "White." As a consequence of these differences, 1980 householder totals for "White" and "Race, n.e.c." are not comparable with corresponding 1970 figures.

The 1980 census was the first in which data were collected separately for Eskimos and Aleuts in all States. In 1970, these data were available only for Alaska. Since Eskimos and Aleuts are highly concentrated in Alaska, these changes do not seriously affect the comparability of 1980 and 1970 data for these racial groups at the national level.

The 1980 total for the Asian and Pacific Islander population reflects a high level of immigration during the 1970's as well as a number of changes in census procedures which were developed, in part, as a result of this high level of immigration. First, the number of Asian and Pacific Islander categories listed separately on the 1980 census questionnaire was expanded over that in 1970 to include four additional groups: Vietnamese, Asian Indian, Guamanian, and Samoan. Asian Indians were classified as "White" in 1970 but were included in the "Asian and Pacific Islander" category in 1980. The Vietnamese, Guamanian, and Samoan populations were included in the "Other" race



category in the 1970 census but were included in the "Asian and Pacific Islander" category in 1980. Second, "Other Asian and Pacific Islander" groups such as Cambodian, Laotian, Pakistani, and Fijian were identified and tabulated as Asian and Pacific Islander in sample tabulations in the 1980 census; in 1970, most of these groups were included in the "Other" race category.

In 1980, data were collected separately for Hawaiians and Koreans in all States, but in 1970 data for the two groups were not collected for Alaska. (On the 1970 census questionnaire used in Alaska, Eskimo and Aleut were substituted for these two categories.) Since the numbers of Hawaiians and Koreans were small in Alaska, this questionnaire change does not have a major impact on the comparability of the 1980 and 1970 data for Hawaiians and Koreans at the national level.

**Spanish/Hispanic Origin of the Householder**—The data on Spanish/Hispanic origin or descent of householder were derived from answers to question 7, for the person listed in column 1 of the census questionnaire (see appendix E).

Persons of Spanish/Hispanic origin or descent are those who reported either Mexican, Puerto Rican, Cuban, or other Spanish/Hispanic origin in question 7. Persons who reported "Other Spanish/Hispanic" origin are those whose origin is from Spain or the Spanish-speaking countries of Central or South America, or they are persons identifying their origin or descent as being Spanish, Spanish-American, Hispano, Latino, etc. Origin or descent can be regarded as the ancestry, nationality group, lineage, or country in which the person or person's parents or ancestors were born before their arrival in the United States. It is important to note that persons of Spanish origin may be of any race. In this report, data are presented for housing units classified by the Spanish origin of the householder.

Persons of more than one Spanish origin and persons of both a Spanish and another origin who were in doubt as to how to report a specific origin were classified according to the origin of the person's mother. If a single origin could not be provided for the person's mother, the first origin reported by the person was recorded.

If the householder failed to respond to the Spanish/Hispanic origin question, a response was assigned by computer in the

sample edit operation according to available related information such as ancestry and place of birth reported for the householder. If such information was not reported, origin was assigned from entries of other household members using specific rules of precedence of household relationship. If no origin was reported for any household member (excluding a paid employee), then an origin was assigned from another household with a householder of the same race. This procedure is a variation of the general allocation process described in Appendix D, "Accuracy of the Data."

### **Limitations of the Data on Householders of Spanish/Hispanic Origin**

A preliminary evaluation study of the reporting in the 1980 census item on Spanish origin indicated that there was misreporting in the Mexican origin category by White and Black persons in certain areas. The study results showed evidence that the misreporting occurred mainly in the South (excluding Texas), the Northeast (excluding the New York City area), and a few States in the North Central Region. Also, results based on available data suggest that the impact of potential misreporting of Mexican origin in the 1980 census is severe in those portions of the above-mentioned regions where the Spanish origin population is generally sparse. However, 1980 census data on the Mexican origin population or total Spanish origin population, at the national level, are not seriously affected by the reporting problem. For a more detailed discussion of the evaluation of the Spanish origin item, see the 1980 Population Census Supplementary reports, Series PC80-S1-7, "Persons of Spanish Origin by State: 1980."

### **Comparability Between Sample and 100-Percent Data on Householders of Spanish/Hispanic Origin**

The data on householders of Spanish origin shown in this report may differ from comparable figures shown in other 1980 census reports. Such differences are the result of sampling variability, nonsampling error, and more extensive edit procedures performed for the Spanish origin item on the sample questionnaires. The data in this report are based on a sample, whereas certain other reports (e.g., the HC80-1-A series) present data based on 100-percent tabulations. Sample data are subject to sampling variability, as explained in Appendix D, "Accuracy of the Data."

Information now available indicates that, since the effects of the more extensive edit were generally limited, the 100-percent tabulations are usually the preferable source for data on householders of Spanish origin. That is, in the case of figures available for Spanish origin groups both in this report and for corresponding areas in the HC80-1-A report, the latter source is usually the preferred one. In the case of distributions for subjects covered only on a sample basis (e.g., units in structure, mortgage status and selected monthly owner costs, gross rent, etc.), the sample figures are the only data available and should be used within the context of the sampling variability associated with them.

### **Comparability With 1970 Census Data on Householders of Spanish Origin and Householders of Spanish Heritage**

The 1980 census figures on householders of Spanish origin are not directly comparable with the 1970 census data on householders of Spanish origin because of a number of factors; namely, overall improvements in the 1980 census, better coverage of the population, improved question design, and an effective public relations campaign by the Census Bureau with the assistance of national and community ethnic groups. These efforts at census improvements explain, in part, the large increase in the number of Hispanics over 1970. Also, these efforts undoubtedly resulted in the inclusion of a sizable but unknown number of persons of Spanish/Hispanic origin who are in the country in other than legal status.

In the 1980 census Spanish origin question, specific changes in design from the 1970 question included the placement of the category "No (not Spanish/Hispanic)" as the first category in that question (The corresponding category appeared last in the 1970 question.) Also, the 1970 category "Central or South American" was deleted from the 1980 question because in 1970 some respondents misinterpreted the category. Furthermore, the designations "Mexican-American" and "Chicano" were added to the Spanish origin question in 1980. In the 1970 census, the question on Spanish origin was asked of only a 5-percent sample of the population; in the 1980 census, the Spanish origin question was asked of everyone in the Nation.

The 1970 Census *Metropolitan Housing Characteristics* reports present data on housing units occupied by householders of Spanish heritage. In the 1970 census, the



category Spanish heritage was created to consolidate data for Spanish ancestry persons in various parts of the United States. The Spanish heritage population, therefore, was specifically termed when reference was made to particular areas. For example, in five southwestern States (Arizona, California, Colorado, New Mexico, and Texas) the population of Spanish heritage was specified as the population of Spanish language or surname; in three mid-Atlantic States (New York, New Jersey, and Pennsylvania), as the population of Puerto Rican birth or parentage; and in the remaining 42 States and the District of Columbia, as the population of Spanish language. The information for the population of Spanish heritage was obtained from the 15-percent sample of the census questionnaires. Data for this group of householders are not comparable to the 1980 census data on householders of Spanish origin which were based only on responses to the specific census question on Spanish/Hispanic origin for the person listed in column 1 of the census questionnaire.

### UTILIZATION CHARACTERISTICS

**Persons**—All persons occupying the housing unit are included. These persons include not only occupants related to the householder but also any lodgers, roomers, boarders, partners, roommates, wards, foster children, and resident employees who share the living quarters of the householder. The data on "Persons in unit" show the number of housing units occupied by the specified number of persons. "Total persons" is the total number of persons living in the housing units in the particular category.

**Rooms**—The statistics on "Rooms" are in terms of the number of housing units with a specified number of rooms (see question H7 in appendix E). The intent of this question is to count the number of whole rooms used for living purposes. For each unit they include living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, enclosed porches suitable for year-round use, and lodger's rooms. Excluded are strip or pullman kitchens, bathrooms, open porches, balconies, halls, half-rooms, utility rooms, unfinished attics or basements, or other unfinished space used for storage. A partially divided room is a separate room only if there is a partition from floor to ceiling.

**Persons Per Room**—"Persons per room" is a derived measure obtained by dividing the

number of persons in each occupied housing unit by the number of rooms in the unit. The figures shown refer, therefore, to the number of occupied housing units having the specified ratio of persons per room.

**Bedrooms**—The number of "Bedrooms" in the unit is the count of rooms used mainly for sleeping, even if also used for other purposes. Rooms reserved for sleeping, such as guest rooms, even though used infrequently, are counted as bedrooms. On the other hand, rooms used mainly for other purposes, even though used also for sleeping, such as a living room with a sofa bed, are not considered bedrooms. A housing unit consisting of only one room, such as a one-room efficiency apartment, is classified, by definition, as having no bedroom (see question H24 in appendix E).

### STRUCTURAL CHARACTERISTICS

**Year Structure Built**—"Year structure built" refers to when the building was first constructed, not when it was remodeled, added to, or converted. For a houseboat or mobile home or trailer, the manufacturer's model year is assumed to be the year built. The figures shown in this report relate to the number of units in structures built during the specified periods and in existence at the time of enumeration (see question H18 in appendix E).

**Units in Structure**—A structure is a separate building that either has open space on all sides or is separated from other structures by dividing walls that extend from ground to roof. In the determination of the number of units in a structure, all housing units, both occupied and vacant, were counted. The statistics are presented for the number of housing units in structures of specified type and size, not for the number of residential buildings. The category "Mobile home or trailer, etc." includes mobile homes, trailers, boats, tents, vans, etc. (see question H13 in appendix E).

**Stories in Structure**—The count of stories (floors) in structure includes basements or attics if these contain finished rooms for living purposes (see question H14a in appendix E).

**Passenger Elevator**—Statistics on elevator in structure are presented for housing units in structures with four or more stories or floors. If the housing units in structures with four or

more stories have an elevator used only for freight, the units are not included in the category "With elevator" (see question H14b in appendix E).

### PLUMBING CHARACTERISTICS

**Plumbing Facilities**—The category "Complete plumbing for exclusive use" consists of units which have hot and cold piped water, a flush toilet, and a bathtub or shower inside the housing unit for the exclusive use of the occupants of the unit. "Lacking complete plumbing for exclusive use" includes those conditions when (1) all three specified plumbing facilities are present inside the unit, but are also used by another household; (2) some but not all the facilities are present; or (3) none of the three specified plumbing facilities is present (see question H6 in appendix E).

**Comparability With 1970 Census Plumbing Facilities Data**—In 1970, there were separate questions on the presence of hot and cold piped water, a bathtub or shower, and a flush toilet. For 1980, these three items were combined into a single question on plumbing facilities. In addition, the facilities must be inside the housing unit rather than inside the structure as in 1970.

### EQUIPMENT AND FUELS

**Heating Equipment**—Respondents were asked to report the type of heating equipment used as the primary source of heat for their housing unit. The categories shown in the report are: (1) steam or hot water system; (2) central warm-air furnace or electric heat pump; (3) other built-in electric units; (4) floor, wall, or pipeless furnace; and (5) other means. "Other means" includes room heaters with flue or vent that burn gas, oil, or kerosene; nonportable room heaters without flue or vent that burn gas, oil, or kerosene; and fireplaces, stoves, or portable room heaters of any kind that can be picked up and moved. A central heating system includes types (1) through (4) listed above. For vacant units which have had the heating equipment removed, the kind of equipment used by the previous occupants is considered to be the heating equipment for the unit (see question H20 in appendix E).

**Comparability With 1970 Census Heating Equipment Data**—In 1970, central



heat pumps were included as part of the category "Warm-air furnace" and individual room heat pumps were included in the category "Built-in electric units." In 1980, heat pumps have been combined and are included in this report in the category "Central warm-air furnace or electric heat pump."

**Air Conditioning**—"Air conditioning" is defined as the cooling of air by a refrigeration unit. It does not include evaporative coolers, fans, or blowers which are not connected to a refrigeration unit; however, it does include heat pumps. A central system is an installation which air conditions a number of rooms. In an apartment building, such a system may cool all apartments in the building, each apartment may have its own central system, or there may be several systems, each providing central air conditioning for a group of apartments. A system with individual room controls is a central system. A room unit is an individual air conditioner which is installed in a window or an outside wall and is generally intended to cool one room, although it may sometimes be used to cool more than one room (see question H27 in appendix E).

**Vehicles Available**—Data for this item refer to the number of households with vehicles available at home for the use of the members of the household. Included in this item are passenger cars, pickup trucks, small panel trucks of one-ton capacity or less, as well as station wagons, company cars, and taxicabs kept at home for use of household members. Cars rented or leased for 1 month or more; police and government cars kept at home; and company vans and trucks of 1-ton capacity or less are also included if kept at home and used for nonbusiness purposes. Dismantled cars, immobile cars used as a source of power for some piece of machinery, and cars, vans, and trucks kept at home but used only for business purposes are excluded. The statistics do not reflect the number of vehicles privately owned or the number of households owning vehicles (see questions H28 and H29 in appendix E).

**Comparability With 1970 Census Automobiles Available Data**—In 1970, only data on the number of households with automobiles which were owned or regularly used by members of the household were obtained. Taxicabs, pickups, or large trucks were not counted. In 1980, the data on automobiles available include taxicabs if kept at home for use of household members but exclude pickups or larger trucks. Separate

data were obtained in 1980 on the number of housing units with vans or trucks of 1-ton capacity or less kept at home for use of members of the household.

**Fuels Used for House Heating and Water Heating**—"Utility gas" is gas piped through underground pipes from a central system that serves the neighborhood. "Bottled, tank, or LP gas" is stored in tanks which are refilled or exchanged when empty. "Fuel oil, kerosene, etc." includes fuel oil, kerosene, gasoline, alcohol, and other combustible liquids. For data on house heating fuel, the category "Other" includes any other fuel such as purchased steam, coal dust, briquettes made of pitch and sawdust, waste materials such as corn cobs, etc. For data on water heating fuel, the category "Other" also includes coal or coke, and wood (see question H21 in appendix E).

### FINANCIAL CHARACTERISTICS

**Value**—Value is the respondent's estimate of how much the property (house and lot) would sell for, if it were for sale (see question H11 in appendix E).

Value is tabulated for certain kinds of housing units. Value statistics are presented for "Specified owner-occupied" housing units. These "specified" housing units include only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. The "Specified owner-occupied" universes are the same for the value tabulation and the mortgage status and selected monthly owner costs tabulation.

**Price Asked**—For vacant for sale only housing units, the price asked is the amount asked for the property at the time of enumeration. The statistics on price asked are shown for "Specified vacant for sale only" housing units, which include vacant for sale only one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data also exclude condominium units and mobile homes.

**Mortgage Status and Selected Monthly Owner Costs**—The data are presented for "Specified owner-occupied" housing units. These "specified" housing units include only

one-family houses on less than 10 acres without a commercial establishment or medical office on the property. The data exclude owner-occupied condominium housing units, mobile homes, trailers, boats, tents, or vans occupied as a usual residence, as well as owner-occupied noncondominium units in multi-family buildings. Separate distributions of owner costs are shown for units "With a mortgage" and for units "Not mortgaged." Selected monthly owner costs is the sum of payments for mortgages, deeds of trust, or similar debts on the property; real estate taxes; fire and hazard insurance on the property; utilities (electricity, gas, and water); and fuels (oil, coal, kerosene, wood, etc.) (see questions H30, H31, and H32 in appendix E).

**Mortgage Status and Selected Monthly Owner Costs as a Percentage of Household Income in 1979**—Selected monthly housing costs is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same owner-occupied units for which selected monthly owner costs was tabulated; thus, the statistics reflect the exclusion of certain owner-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Rent**—The statistics on rent are tabulated for "Specified renter-occupied" housing units and for "Specified vacant for rent" housing units which include renter units except one-family houses on 10 or more acres. Respondents were asked to report rent only for the housing unit enumerated and to exclude any rent paid for additional units or for business premises. Renter units occupied without payment of cash rent are shown separately as "No cash rent" in the rent tabulations.

**Contract Rent.** "Contract rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included (see question H12 in appendix E).

**Gross Rent.** The computed rent termed "Gross rent" is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water) and fuels (oil, coal, kerosene, wood, etc.) if these are



paid for by the renter (or paid for the renter by someone else) in addition to rent. Gross rent is intended to eliminate differentials which result from varying practices with respect to the inclusion of utilities and fuels as part of the rental payment. The estimated costs of water and fuels are reported on a yearly basis but are converted to monthly figures in the computation process (see questions H12 and H22 in appendix E).

**Rent Asked.** For "Specified vacant for rent" housing units, the rent asked is the amount asked for the rental of the unit at the time of enumeration.

### **Gross Rent as a Percentage of Household Income in 1979**

—Monthly gross rent is expressed as a percentage of monthly household income (total household income in 1979 divided by 12). The percentage is presented for the same renter-occupied units for which gross rent was tabulated; thus, the statistics reflect the exclusion of certain renter-occupied units. The percentage was computed separately for each unit and was rounded to the nearest whole number. Units for which no cash rent is paid and units occupied by households that reported no income or a net loss comprise the category "Not computed."

**Household Income in 1979**—Household income is the sum of the money income of all persons 15 years old and over occupying the housing unit, including persons not related to the householder. Data on income are based on money income received in the calendar year 1979. Income is the algebraic sum of the amounts reported separately for wage and salary income; nonfarm net self-employment income; farm net self-employment income; interest, dividend, net rental or royalty income; Social Security or Railroad Retirement income; public assistance or welfare income; and all other income. The figures represent the amount of income received before deductions for personal income taxes, Social Security, bond purchases, union dues, medicare deductions, etc.

Receipts from the following sources were not included as income: money received from the sale of property (unless the recipient was engaged in the business of selling such property); the value of income "in kind" from food stamps, public housing subsidies, medical care, employer's contributions for pensions, etc.; withdrawal of bank deposits; money borrowed; tax refunds; exchange of money between relatives living in the same household; gifts and lump-sum inheritances, insurance payments, and other types of lump-sum receipts.

Although the income statistics cover the calendar year 1979, the composition of households refers to the time of enumeration (April 1, 1980). However, the composition of most households was the same during 1979 as in April 1980. There may be differences between the data on household income in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

**Median Income**—The median income values presented in this report are computed on the basis of more detailed income intervals than shown in the tables. Median income figures of \$30,000 or less are generally calculated using linear interpolation; all other median income amounts are derived through pareto interpolation.

**Comparability With 1970 Census Income Data**—In 1970, the statistics on income presented in Series HC80-2, *Metropolitan Housing Characteristics* reports related to the income of the family or primary individual occupying the housing unit; that is, the sum of the income of the head of the family and all other members of the family 14 years old and over or the income of the primary individual. Income of persons living in

the unit but not related to the head of household was not included. In 1980, the statistics on income relate to the income of the household; that is, the sum of the income of all persons 15 years old and over occupying a housing unit, including persons not related to the householder.

A discussion on comparability of income data from other sources including earlier censuses may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

**Poverty Status in 1979**—Households are classified below the poverty level when the total 1979 income of the family or of the non-family householder is below the appropriate poverty threshold. The income of persons living in the household who are unrelated to the householder is not considered when determining the poverty status of a household. The poverty thresholds vary depending upon three criteria: size of family, number of children, and age of the family householder or unrelated individual. The criteria used in the 1980 census differ slightly from those used in the 1970 census, which took into account the same three factors as well as sex of the family householder or unrelated individual and farm-nonfarm residence. In addition, for the 1980 census the thresholds by size of family were extended from seven or more persons to nine or more persons. The income cutoffs are updated each year to reflect the change in the Consumer Price Index. A more detailed explanation of the poverty definition may be found in the 1980 Census of Population reports, *General Social and Economic Characteristics*, PC80-1-C.

There may be slight differences between the data on poverty status in 1979 in this report and similar data shown in the reports, *Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas*, PHC80-3, and in the Supplementary Reports, *Advance Estimates of Social, Economic, and Housing Characteristics*, PHC80-S2. Any such differences are a result of errors in the income data which were corrected after the release of the PHC80-3 and the PHC80-S2 reports.

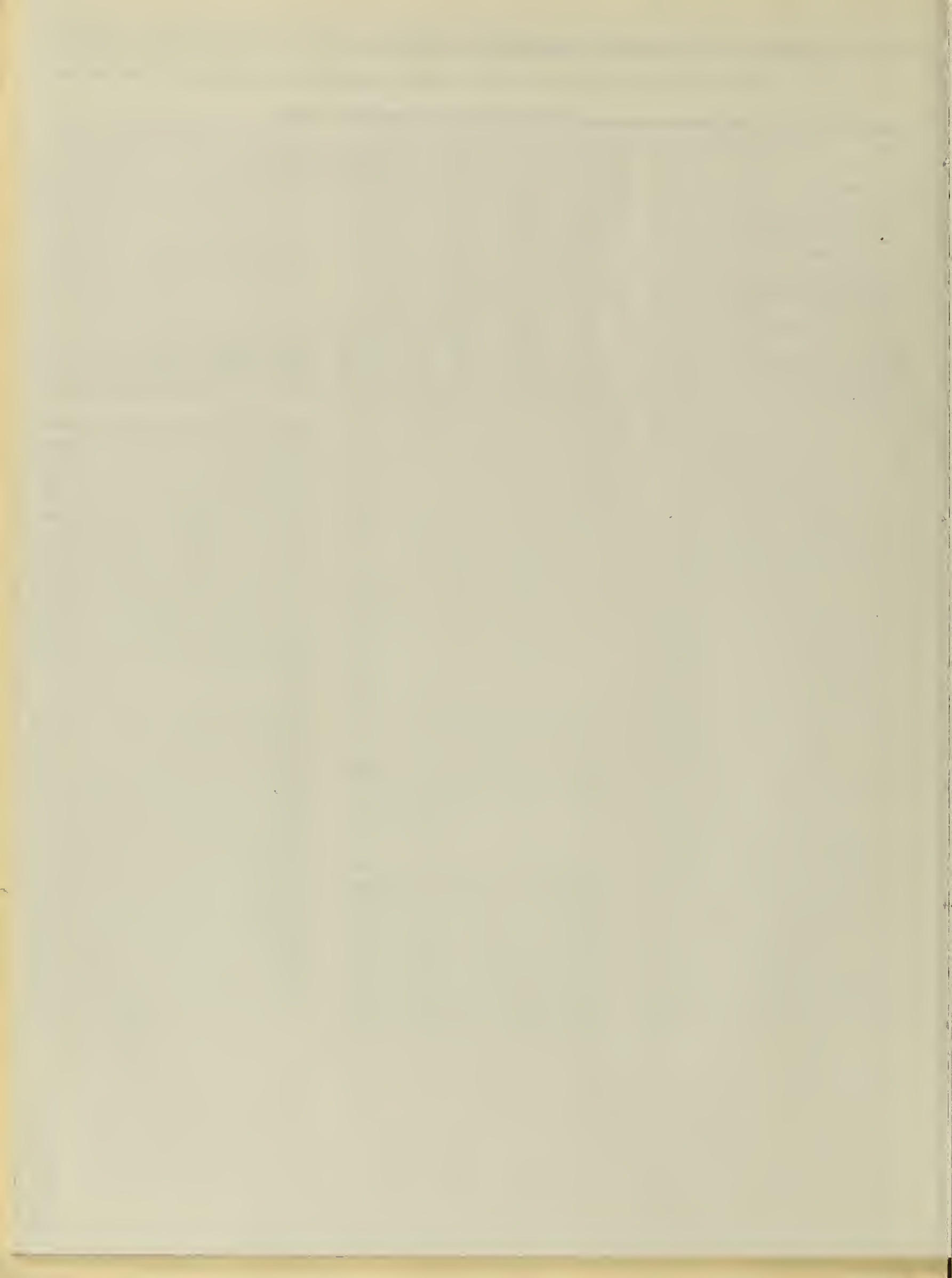


# Appendix B.—Definitions and Explanations of Subject Characteristics

## Thresholds at the Poverty Level in 1979 by Size of Family and Number of Related Children Under 18 Years

(Figures in dollars. For meaning of symbols, see Introduction)

Size of Family Unit	Weighted average thresholds	Related children under 18 years								
		None	1	2	3	4	5	6	7	8 or more
1 person (unrelated individual).....	3,686	3,686	...	...	...	...	...	...	...	...
Under 65 years.....	3,774	3,774	...	...	...	...	...	...	...	...
65 years and over.....	3,479	3,479	...	...	...	...	...	...	...	...
2 persons.....	4,723	4,723	...	...	...	...	...	...	...	...
Householder under 65 years.....	4,876	4,858	5,000	...	...	...	...	...	...	...
Householder 65 years and over.....	4,389	4,385	4,981	...	...	...	...	...	...	...
3 persons.....	5,787	5,674	5,839	5,844	...	...	...	...	...	...
4 persons.....	7,412	7,482	7,605	7,356	7,382	...	...	...	...	...
5 persons.....	8,776	9,023	9,154	8,874	8,657	8,525	...	...	...	...
6 persons.....	9,915	10,378	10,419	10,205	9,999	9,693	9,512	...	...	...
7 persons.....	11,237	11,941	12,016	11,759	11,580	11,246	10,857	10,429	...	...
8 persons.....	12,484	13,356	13,473	13,231	13,018	12,717	12,334	11,936	11,835	...
9 or more persons.....	14,812	16,066	16,144	15,929	15,749	15,453	15,046	14,677	14,586	14,024





## Appendix C.—General Enumeration and Processing Procedures

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### USUAL PLACE OF RESIDENCE

In accordance with census practice dating back to the first U.S. census in 1790, each person enumerated in the 1980 census was counted as an inhabitant of his or her "usual place of residence," which is generally construed to mean the place where the person lives and sleeps most of the time. This place is not necessarily the same as the person's legal residence or voting residence. In the vast majority of cases, however, the use of these different bases of classification would produce substantially the same statistics, although there might be appreciable differences for a few areas.

The implementation of this practice has resulted in the establishment of residence rules for certain categories of persons whose usual place of residence is not immediately apparent. Furthermore, this practice means that persons were not always counted as residents of the place where they happened to be staying on Census Day (April 1). Persons without a usual place of residence, however, were counted where they happened to be staying.

#### Armed Forces

Members of the Armed Forces living on a military installation were counted, as in every previous census, as residents of the area in which the installation was located; members of the Armed Forces not living on a military installation were counted as residents of the area in which

they were living. Family members of Armed Forces personnel were counted where they were living on Census Day (i.e., with the Armed Forces personnel or at another location, as the case might be).

Each Navy ship was attributed to the municipality that the Department of the Navy designated as its homeport, except for those ships which were deployed to the 6th or 7th Fleet on Census Day. As was done in the 1970 census, naval personnel aboard deployed ships were defined in the 1980 census as part of the overseas population, because deployment to the 6th or 7th Fleet implies a long-term overseas assignment.

In homeports with fewer than 1,000 naval personnel assigned to ships, the crews were counted aboard the ship. In homeports with 1,000 or more naval personnel assigned to ships, the naval personnel who indicated that they had a usual residence within 50 miles of the homeport of their ship were attributed to that residence.

When a homeport designated by the Navy was contained in more than one municipality, ships homeported and berthed there on Census Day were assigned by the Bureau of the Census to the municipality in which the land immediately adjacent to the dock or pier was actually located. Other ships attributed by the Navy to that homeport, but which were not physically present and not deployed to the 6th or 7th Fleet on Census Day, were allocated to the municipality named on the Navy's homeport list.

#### Crews of Merchant Vessels

Shipboard Census Reports were mailed to crews of merchant vessels through the ships' respective owner-operators based on lists of U.S. flag merchant vessels obtained from the Maritime Administration, U.S. Department of Commerce.

If the ship was berthed in a U.S. port on Census Day, the crew was enumerated as of that port. If the ship was

not berthed in a U.S. port but was inside the territorial waters of the United States, the crew was enumerated as of (a) the port of destination if that port was inside the United States or (b) the homeport of the ship if its port of destination was outside the United States. Crews of U.S. flag vessels which were outside U.S. territorial waters on Census Day and crews of vessels flying a foreign flag were not enumerated in the 1980 census.

#### Persons Away at School

College students were counted as residents of the area in which they were living while attending college, as they have been since 1950. However, children in boarding schools below the college level were counted at their parental home.

#### Persons in Institutions

Inmates of institutions, who ordinarily live there for considerable periods of time, were counted as residents of the area where the institution was located. Patients in short-term wards (general, maternity, etc.) of hospitals were counted at their usual place of residence; if they had no usual place of residence, they were counted at the hospital.

#### Persons Away From Their Residence on Census Day

Persons in hotels, motels, etc., on the night of March 31, 1980, were requested to fill out a census form for assignment of their census information back to their homes if they indicated that no one was at home to report them in the census. A similar approach was used for persons visiting in private residences, as well as for Americans who left the United States during March 1980 via major intercontinental air or ship carriers for temporary travel abroad. In addition, information on persons away from their usual place of residence was obtained from other members of their families, resident managers, neighbors, etc. If an entire household was expected to be



away during the whole period of the enumeration, information on that household was obtained from neighbors. A matching process was used to eliminate duplicate reports for persons who reported for themselves while away from their usual residence and who were also reported at this usual residence by someone else.

A special enumeration was conducted in such facilities as missions, flophouses, jails, detention centers, etc., on the night of April 6, 1980, and persons enumerated therein were counted as residents of the area in which the establishment was located.

### Americans Abroad

Americans who were overseas for an extended period (in the Armed Forces, working at civilian jobs, studying in foreign universities, etc.) were not included in the population of any State or the District of Columbia. On the other hand, Americans who were temporarily abroad on vacations, business trips, and the like were counted at their usual residence in the United States.

### Citizens of Foreign Countries

Citizens of foreign countries having their usual residence (legally or illegally) in the United States on Census Day, including those working here (but not living at an embassy, ministry, legation, chancellery, or consulate) and those attending school (but not living at an embassy, etc.), were included in the enumeration, as were members of their families living with them. However, citizens of foreign countries temporarily visiting or traveling in the United States or living on the premises of an embassy, etc., were not enumerated in the 1980 census.

## DATA COLLECTION PROCEDURES

The 1980 census was conducted primarily through self-enumeration. A census questionnaire was delivered by postal carriers to every housing unit several days before Census Day, April 1, 1980. This questionnaire included explanatory information and was accompanied by an instruction guide. Spanish-language versions of the questionnaire and instruction guide were available on request. The questionnaire

was also available in narrative translation in 32 languages.

In most areas of the United States, altogether containing about 95 percent of the population, the householder was requested to fill out and mail back the questionnaire on Census Day. Approximately 83 percent of these households returned their forms by mail. Households that did not mail back a form and vacant housing units were visited by an enumerator. Households that returned a form with incomplete or inconsistent information that exceeded a specified tolerance were contacted by telephone or, if necessary, by a personal visit, to obtain the missing information.

In the remaining (mostly sparsely settled) area of the country, which contained about 5 percent of the population, the householder was requested to fill out the questionnaire and hold it until visited by an enumerator. Incomplete and unfilled forms were completed by interview during the enumerator's visit. Vacant units were enumerated by a personal visit and observation.

Each housing unit in the country received one of two versions of the census questionnaire: a short-form questionnaire containing a limited number of basic population and housing questions or a long-form questionnaire containing these basic questions as well as a number of additional questions. A sampling procedure was used to determine those units which were to receive the long-form questionnaire. Two sampling rates were employed. For most of the country, one in every six housing units (about 17 percent) received the long form or sample questionnaire; in counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 inhabitants, every other housing unit (50 percent) received the sample questionnaire to enhance the reliability of sample data in small areas.

Special questionnaires were used for the enumeration of persons in group quarters such as colleges and universities, hospitals, prisons, military installations, and ships. These forms contained the population questions but did not include any housing questions. In addition to the regular census questionnaires, the Supplementary Questionnaire for American Indians was used in conjunction with the short form on Federal and State reservations and in the historic areas of

Oklahoma (excluding urbanized areas) for households that had at least one American Indian, Eskimo, or Aleut household member.

## PROCESSING PROCEDURES

The 1980 census questionnaires were processed in a manner similar to that for the 1970 and 1960 censuses. They were designed to be processed electronically by the Film Optical Sensing Device for Input to Computer (FOSDIC). For most items on the questionnaire, the information supplied by the respondent or obtained by the enumerator was indicated by marking the answers in predesignated positions that would be "read" by FOSDIC from a microfilm copy of the questionnaire and transferred onto computer tape with no intervening manual processing. The computer tape did not include information on individual names and addresses.

The data processing was performed in two stages. For 100-percent data, all short forms, and pages 2 and 3 of the long forms (which have the same questions as the short form), were microfilmed, "read" by FOSDIC, and transferred onto computer tape for tabulation. For the sample data, the long form (or sample) questionnaires were processed through manual coding operations since some questions required the respondent to provide write-in entries which could not be read by FOSDIC. Census Bureau coders assigned alphabetical or numerical codes to the write-in answers in FOSDIC readable code boxes on each questionnaire. After all coding was completed, the long forms were microfilmed, and the film was "read" by FOSDIC and transferred onto computer tape.

The tape containing the information from the questionnaires was processed on the Census Bureau's computers through a number of editing and tabulation steps. Among the products of this operation were computer tapes from which the tables in this report (and most others in the 1980 census publications) were prepared on phototypesetting equipment at the Government Printing Office.

A more detailed description of the data collection and processing procedures can be obtained from the 1980 Census of Population and Housing, *Users' Guide*, PHC80-R1.



# Appendix D.—Accuracy of the Data

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## INTRODUCTION

The data presented in this publication are based on the 1980 census sample. The data are estimates of the actual figures that would have resulted from a complete count. Estimates can be expected to vary from the complete count result because they are subject to two basic types of error—sampling and nonsampling. The sampling error in the data arises from the selection of persons and housing units to be included in the sample. The nonsampling error is the result of all other errors that may occur during the collection and processing phases of the census. A more detailed discussion of both sampling and nonsampling error and a description of the estimation procedure are given in this appendix.

## SAMPLE DESIGN

While every person and housing unit in the 1980 census was enumerated on a

questionnaire that requested certain basic demographic information (e.g., age, number of rooms in living quarters, monthly rent), a sample of persons and housing units was enumerated on a questionnaire that requested additional information. The basic sampling unit for the 1980 census was the housing unit, including all occupants. For persons living in group quarters, the sampling unit was the person. Two sampling rates were employed. In counties, incorporated places and minor civil divisions estimated to have fewer than 2,500 persons (based on precensus estimates), one-half of all housing units and persons in group quarters were to be included in the sample. In all other areas, one-sixth of the housing units or persons in group quarters were sampled. The purpose of this scheme was to provide relatively more reliable estimates for small areas. When both sampling rates were taken into account across the Nation, approximately 19 percent of the Nation's housing units were included in the census sample.

The sample designation method depended on the data collection procedures. In areas containing about 95 percent of the population the census was taken by the mailout/mailback procedure. For these areas, the Bureau of the Census either purchased a commercial mailing list which was updated and corrected by Census Bureau field staff, or prepared a mailing list by canvassing and listing each address in the area prior to Census Day. These lists were computerized, and every sixth unit (for 1-in-6 areas) or every second unit (for 1-in-2 areas) was designated as a sample unit by computer. Both of these lists were also corrected by the Post Office.

In non-mailout/mailback areas, a blank listing book with designated sample lines (every sixth or every second line) was prepared for the enumerator. Beginning about Census Day, the enumerator sys-

tematically canvassed the area and listed all housing units in the listing book in the order they were encountered. Completed questionnaires, including sample information for any housing unit which was listed on a designated sample line, were collected.

In both types of data collection procedure areas, an enumerator was responsible for a small geographic area known as an enumeration district, or ED. An ED usually represented the average workload area for one enumerator.

## ERRORS IN THE DATA

Since the data in this publication are based on a sample, they may differ somewhat from complete-count figures that would have been obtained if all housing units, persons within those housing units, and persons living in group quarters had been enumerated using the same questionnaires, instructions, enumerators, etc. The deviation of a sample estimate from the average of all possible samples is called the sampling error. The standard error of a survey estimate is a measure of the variation among the estimates from the possible samples and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The sample estimate and its estimated standard error permit the construction of interval estimates with prescribed confidence that the interval includes the average result of all possible samples. The method of calculating standard errors and confidence intervals for the data in this report is given below.

In addition to the variability which arises from the sampling procedures, both sample data and complete-count data are subject to nonsampling error. Nonsampling error may be introduced during each of the many extensive and complex



operations used to collect and process census data. For example, operations such as editing, reviewing, or handling questionnaires may introduce error into the data. A more detailed discussion of the sources of nonsampling error is given in the section on "Control of Nonsampling Error" in this appendix.

Nonsampling error may affect the data in two ways. Errors that are introduced randomly will increase the variability of the data and should therefore be reflected in the standard error. Errors that tend to be consistent in one direction will make both sample and complete-count data biased in that direction. For example, if respondents consistently tend to under-report their income, then the resulting counts of households or families by income category will be skewed toward the lower income categories. Such biases are not reflected in the standard error.

## Calculation of Standard Errors

**Totals and Percentages**—Tables A through D in this appendix contain the information necessary to calculate the standard errors of sample estimates in this report. In order to perform this calculation, it is necessary to know the unadjusted standard error for the characteristic, given in table A or B, that would result under a simple random sample design (of persons, families, or housing units) and estimation technique; the adjustment factor for the particular characteristic estimated, given in table C; and the number of housing units in the tabulation area and the percent of these in sample, given in table D. The adjustment factors reflect the effects of the actual sample design and complex ratio estimation procedure used for the 1980 census.

To calculate the approximate standard error of an estimate for a geographic area, follow the steps given below:

- Obtain the unadjusted standard error from table A or B (or from the formula given below the table) for the estimated total or percentage, respectively.
- Find the geographic area with which you are working in table D and obtain the housing unit "percent in sample" figure for this area.
- Use table C to obtain the factor for the characteristics (e.g., air-

conditioning, year structure built) and the range that contains the percent-in-sample with which you are working. Multiply the unadjusted standard error by this factor. If the estimate is a cross-tabulation of more than one characteristic, use the largest factor.

As is evident from the formula below tables A and B, the unadjusted standard errors of zero estimates or of very small estimated totals or percentages approach zero. This is also the case for very large percentages or estimated totals that are close to the size of the tabulation areas to which they correspond. These estimated totals and percentages are, nevertheless, still subject to sampling and nonsampling variability, and an estimated standard error of zero (or a very small standard error) is not appropriate.

For estimated percentages that are less than 2 or greater than 98, use the *unadjusted* standard errors in table B that appear in the "2 or 98" row. For an estimated total that is less than 50 or within 50 of the total size of the tabulation area, use an *unadjusted* standard error of 16.

An illustration of the use of the tables is given in a later section of this appendix.

**Differences**—The standard errors estimated from these tables are not directly applicable to differences between two sample estimates. In order to estimate the standard error of a difference the tables are to be used somewhat differently in the following three situations:

- For the difference between a sample estimate and a complete-count value, use the standard error of the sample estimate.
- For the difference between (or sum of) two sample estimates, the appropriate standard error is approximately the square root of the sum of the two individual standard errors squared; that is, for standard errors  $Se_x$  and  $Se_y$  of estimates  $x$  and  $y$ :

$$Se_{(x+y)} = Se_{(x-y)} = \sqrt{(Se_x)^2 + (Se_y)^2}$$

This method, however, will underestimate (overestimate) the standard error if the two items in a sum are highly positively (negatively)

correlated or if the two items in a difference are highly negatively (positively) correlated. This method may also be used for the difference between (or sum of) sample estimates from two censuses or between a census sample and another survey. The standard error for estimates not based on the 1980 census sample must be obtained from an appropriate source outside of this publication.

- For the difference between two estimates, one of which is a subclass of the other, use the tables directly where the calculated difference is the estimate of interest.

**Means**—The standard error of a mean depends upon the variability of the distribution on which the mean is based, the size of the sample, the sample design (e.g., the use of households as a sampling unit), and the estimation procedure used.

An approximation to the standard error of the mean may be obtained as follows: compute the variance of the distribution on which the mean is based; multiply this value by five and divide the product by the total count of units in the distribution; obtain the square root of this quotient and multiply the result by the adjustment factor from table C that is appropriate for the characteristic on which the mean is based.

**Medians**—For the standard error of a median of a characteristic, it is necessary to examine the distribution from which the median is derived, as the size of the base and the distribution itself affect the standard error. An approximate method is given here. As the first step, compute one-half of the number on which the median is based (refer to this result as  $N/2$ ). Treat  $N/2$  as if it were an ordinary estimate and obtain its standard error as instructed above using tables A, C, and D. Compute the desired confidence interval about  $N/2$ . Starting with the lowest value of the characteristic, cumulate the frequencies in each category of the characteristic until the sum equals or first exceeds the lower limit of the confidence interval about  $N/2$ . By linear interpolation, obtain a value of the characteristic corresponding to this sum. This is the lower limit of the confidence interval of the median. In a similar manner, cumulate frequencies starting from



the highest value of the characteristic until the sum equals or exceeds the count in excess of the upper limit of the interval about  $N/2$ . Interpolate as before to obtain the upper limit of the confidence interval for the estimated median.

### Confidence Intervals

A sample estimate and its estimated standard error may be used to construct confidence intervals about the estimate. These intervals are ranges that will contain the average value of the estimated characteristic that results over all possible samples, with a known probability. For example, if all possible samples that could result under the 1980 census sample design were independently selected and surveyed under the same conditions, and if the estimate and its estimated standard error were calculated for each of these samples, then:

- (1) Approximately 68 percent of the intervals from one estimated standard error below the estimate to one estimated standard error above the estimate would contain the average result from all possible samples; and
- (2) Approximately 95 percent of the intervals from two estimated standard errors below the estimate to two estimated standard errors above the estimate would contain the average result from all possible samples.

The intervals are referred to as 68 percent and 95 percent confidence intervals, respectively.

The average value of the estimated characteristic that could be derived from all possible samples is or is not contained in any particular computed interval. Thus we cannot make the statement that the average value has a certain probability of falling between the limits of the calculated confidence interval. Rather, one can say with a specified probability or confidence that the calculated confidence interval includes the average estimate from all possible samples (approximately the complete count value).

Confidence intervals may also be constructed for the difference between two sample figures. This is done by computing the difference between these

figures, obtaining the standard error of the difference (using the formula given earlier), and then forming a confidence interval for this estimated difference as above. One can then say with specified confidence that this interval includes the difference that would have been obtained by averaging the results from all possible samples.

The estimated standard errors given in this report do not include all portions of the variability due to nonsampling error that may be present in the data. Thus, the standard errors calculated represent a lower bound of the total error. As a result, confidence intervals formed using these estimated standard errors may not meet the stated levels of confidence (i.e., 68 or 95 percent). Thus, some care must be exercised in the interpretation of the data in this publication based on the estimated standard errors.

For more information on confidence intervals and nonsampling error see any standard sampling theory text.

### Use of Tables to Compute Standard Errors

See appendix D of any 1980 Census of Housing, HC-80-1-B, *Detailed Housing Characteristics* report, for examples showing the computation of standard errors and the formation of confidence intervals.

### ESTIMATION PROCEDURE

The estimates which appear in this publication were obtained from an iterative ratio estimation procedure which resulted in the assignment of a weight to each sample person or housing unit record. For any given tabulation area, a characteristic total was estimated by summing the weights assigned to the persons or housing units in the tabulation area which possessed the characteristic. Estimates of family or household characteristics were based on the weights assigned to the family members designated as householders. Each sample person or housing unit record was assigned exactly one weight to be used to produce estimates of all characteristics. For example, if the weight given to a sample person or housing unit had the value five, all characteristics of that person or housing unit would be tabulated with a weight of

five. The estimation procedure, however, did assign weights which vary from person to person or housing unit to housing unit.

The estimation procedure used to assign the weights was performed in geographically defined "weighting areas." Weighting areas were generally formed of adjoining portions of geography, which closely agreed with census tabulation areas within counties. Weighting areas were required to have a minimum sample of 400 persons. Weighting areas were never allowed to cross state or county boundaries. In small counties with a sample count of less than 400 persons, the minimum required sample condition was relaxed to permit the entire county to become a weighting area.

Within a weighting area, the ratio estimation procedure for persons was performed in three stages. For persons, the first stage employed 17 household type groups. The second stage used two groups: householders and nonhouseholders. The third stage could potentially use 160 age-sex-race-Spanish origin groups. The stages were as follows:

### PERSONS

#### Stage I—Type of Household

Group	Persons in Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
	Persons in Housing Units With a Family Without Own Children Under 18
6-10	2 persons in housing unit through 8 or more persons in housing unit
	Persons in All Other Housing Units
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit
17	Persons in group quarters



Stage II—Householder/ Nonhouseholder	
Group	
1	Householder
2	Nonhouseholder (including persons in group quarters)

Stage III—Age/Sex/Race/Spanish Origin

Group	White Race
Persons of Spanish Origin	
Male	
1	0 to 4 years of age
2	5 to 14 years of age
3	15 to 19 years of age
4	20 to 24 years of age
5	25 to 34 years of age
6	35 to 44 years of age
7	45 to 64 years of age
8	65 years of age or older
Female	
9-16	Same age categories as groups 1 to 8
Persons Not of Spanish Origin	
17-32	Same age and sex categories as groups 1 to 16
Black Race	
33-64	Same age-sex-Spanish origin categories as groups 1 to 32
Asian, Pacific Islander Race	
65-96	Same age-sex-Spanish origin categories as groups 1 to 32
American Indian, Eskimo, or Aleut Race	
97-128	Same age-sex-Spanish origin categories as groups 1 to 32
Other Race (includes those races not listed above)	
129-160	Same age-sex-Spanish origin categories as groups 1 to 32

Within a weighting area, the first step in the estimation procedure was to assign each sample person record an initial weight. This weight was approximately equal to the inverse of the probability of selecting a person for the census sample.

The next step in the estimation procedure was to combine, if necessary, the groups in each of the three stages prior to the repeated ratio estimation in order to increase the reliability of the ratio estimation procedure.

For the first and second stages, any group that did not meet certain criteria concerning the unweighted sample count or the ratio of the complete count to the initially weighted sample count, was combined, or collapsed, with another group in the same stage according to a specified collapsing pattern. At the third stage, the "Other" race category was collapsed with the "White" race category before the above collapsing criteria as well as an additional criterion concerning the number of complete count persons in each category were applied.

As the final step, the initial weights underwent three stages of ratio adjustment which used the groups listed above. At the first stage, the ratio of the complete census count to the sum of the initial weights for each sample person was computed for each stage I group. The initial weight assigned to each person in a group was then multiplied by the stage I group ratio to produce an adjusted weight. In stage II, the stage I adjusted weights were again adjusted by the ratio of the complete census count to the sum of the stage I weights for sample persons in each stage II group. Finally, the stage II weights were adjusted at stage III by the ratio of the complete census count to the sum of the stage II weights for sample persons in each stage III group. The three stages of adjustment were performed twice (two iterations) in the order given above. The weights obtained from the second iteration for stage III were assigned to the sample person records. However, to avoid complications in rounding for tabulated data, only whole number weights were assigned. For example, if the final weight for the persons in a particular group was 7.2, then one-fifth of the sample persons in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

Separate weights were derived for tabulating the place of work and migration data items. The weights were obtained by adjusting the weight derived above for persons on questionnaires selected for coding by the reciprocal of the ED coding rate and a ratio adjustment to ensure that the sum of the weights and the complete count total population figure would agree.

The ratio estimation procedure for

housing units was essentially the same as that for persons. The major difference was that the occupied housing unit ratio estimation procedure was done in two stages and the vacant housing unit ratio estimation procedure was done in one stage. The first stage for occupied housing units employed 16 household-type categories and the second stage could potentially use 190 tenure-race-Spanish origin-value/rent groups. For vacant housing units, three groups were utilized. The stages for the ratio estimation for housing units were as follows:

OCCUPIED HOUSING UNITS

Stage I—Type of Household

Group	Housing Units With a Family With Own Children Under 18
1	2 persons in housing unit
2	3 persons in housing unit
3	4 persons in housing unit
4	5 to 7 persons in housing unit
5	8 or more persons in housing unit
Housing Units With a Family Without Own Children Under 18	
6-10	2 persons in housing unit through 8 or more persons in housing unit
All Other Housing Units	
11	1 person in housing unit
12-16	2 persons in housing unit through 8 or more persons in housing unit

Stage II—Tenure/Race and Origin of Householder/Value or Rent

Group	Owner
White Race (householder)	
Persons of Spanish Origin (householder)	
Value of House	
1	\$0 to \$9,999
2	\$10,000 to \$19,999
3	\$20,000 to \$24,999
4	\$25,000 to \$49,999
5	\$50,000 to \$99,999
6	\$100,000 to \$149,999
7	\$150,000+
8	Other Owners
Persons Not of Spanish Origin	



9-16	Same value categories as groups 1 to 8
	<i>Black Race</i>
17-32	Same value—Spanish origin categories as groups 1 to 16
	<i>Asian, Pacific Islander Race</i>
33-48	Same value—Spanish origin categories as groups 1 to 16
	<i>American Indian, Eskimo, or Aleut Race</i>
49-64	Same value—Spanish origin categories as groups 1 to 16
	<i>Other Race (includes those races not listed above)</i>
65-80	Same value—Spanish origin categories as groups 1 to 16
	<i>Renter</i>
	<i>White Race</i>
	<i>Persons of Spanish Origin</i>
	<i>Rent Categories</i>
81	\$1 to \$59
82	\$60 to \$99
83	\$100 to \$149
84	\$150 to \$199
85	\$200 to \$249
86	\$250 to \$299
87	\$300 to \$399
88	\$400 to \$499
89	\$500+
90	Other Renter
91	No Cash Rent
	<i>Persons not of Spanish origin</i>
92-102	Same rent categories as groups 81 to 91
	<i>Black Race</i>
103-124	Same rent—Spanish origin categories as groups 81 to 102
	<i>Asian, Pacific Islander Race</i>
125-146	Same rent—Spanish origin categories as groups 81 to 102
	<i>American Indian, Eskimo, or Aleut Race</i>
147-168	Same rent—Spanish origin categories as groups 81 to 102

	<i>Other Race (includes those races not listed above)</i>
169-190	Same rent—Spanish origin categories as groups 81 to 102

VACANT HOUSING UNITS

Group	
1	<i>Vacant for Rent</i>
2	<i>Vacant for Sale</i>
3	<i>Other Vacant</i>

The estimates produced by this procedure realize some of the gains in sampling efficiency that would have resulted if the population had been stratified into the ratio estimation groups before sampling, and the sampling rate had been applied independently to each group. The net effect is a reduction in both the standard error and the possible bias of most estimated characteristics to levels below what would have resulted from simply using the initial (unadjusted) weight. A by-product of this estimation procedure is that the estimates from the sample will, for the most part, be consistent with the complete-count figures for the population and housing unit groups used in the estimation procedure.

CONTROL OF NONSAMPLING ERROR

As mentioned above, nonsampling error is present in both sample and complete count data. If left unchecked, this error could introduce serious bias into the data, the variability of which could increase dramatically over that which would result purely from sampling. While it is impossible to completely eliminate nonsampling error from an operation as large and complex as the 1980 census, the Bureau of the Census attempted to control the sources of such error during the collection and processing operations. The primary sources of nonsampling error and the programs instituted for control of this error are described below. The success of these programs, however, was contingent upon how well the instructions were actually carried out during the census. To the extent possible, both the effects of these programs and the amount of error remaining after their application will be evaluated.

**Undercoverage**—It is possible for some persons or housing units to be entirely missed by the census. This undercoverage of persons and housing units can introduce biases into the data. Several extensive programs were developed to focus on this important problem.

- The Postal Service reviewed mailing lists and reported housing unit addresses which were missing, undeliverable, or duplicated in the listings.
- The purchased commercial mailing list was updated and corrected by a complete field review of the list of housing units during a prec canvass operation.
- A record check was performed to reduce the undercoverage of individual persons in selected areas. Independent lists of persons, such as driver's license holders, were matched with the household rosters in the census listings. Persons not matched to the census rosters were followed up and added to the census counts if they were found to have been missed.
- A recheck of units initially classified as vacant or nonexistent was utilized to further reduce the undercoverage of persons.

More extensive discussions of programs developed to reduce undercoverage will be published as the analyses of those programs are completed.

**Respondent and Enumerator Error**—The person answering the questionnaire or responding to the questions posed by an enumerator could serve as a source of error by offering incorrect or incomplete information. To reduce this source of error, questions were phrased as clearly as possible based on precensus tests and detailed instructions for completing the questionnaire were provided to each household. In addition, respondents' answers were edited for completeness and consistency and followed up as necessary. For example, if the source of water item was incomplete for a housing unit, long-form field edit procedures would recognize the situation, and a followup attempt to obtain the information would be made.

The enumerator may misinterpret or otherwise incorrectly record information given by a respondent; may fail to collect some of the information for a person or household; or may collect sample data for

households that were not designated as part of the sample. To control these problems, the work of enumerators was carefully monitored. Field staff were prepared for their tasks by using standardized training packages which included experience in using census materials. A sample of the households interviewed by enumerators for nonresponse was reinterviewed to control for the possibility of data for fabricated persons being submitted by enumerators. Also, the estimation procedure was designed to control for biases that would result from the collection of data from households not designated for the sample.

**Processing Error**—The many phases of processing the census represent potential sources for the introduction of nonsampling error. The processing of the census questionnaires includes the field editing, followup, and transmittal of completed questionnaires; the manual coding of write-in responses; and the electronic data processing. The various field, coding and computer operations undergo a number of quality control checks to insure their accurate application.

**Nonresponse**—Nonresponse to particular questions on the census questionnaire allows for the introduction of bias into the data, since the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. As a result, any allocation procedure using respondent data may not completely reflect this difference either at the element level (individual person or housing unit) or on the average. Some protection against the introduction of large biases is afforded by minimizing

nonresponse. In the census, nonresponse was substantially reduced during the field operations by the various edit and follow-up operations aimed at obtaining a response for every question. Characteristics for the nonresponses remaining after this operation were allocated by the computer using reported data for a person or housing unit with similar characteristics. The allocation procedure is described below.

### EDITING OF UNACCEPTABLE DATA

The objective of the processing operation is to produce a set of statistics that describes the nation's housing as accurately and clearly as possible. To meet this objective, certain unacceptable entries were edited.

In the field, questionnaires were reviewed for omissions and certain inconsistencies by a census clerk or an enumerator and, if necessary, a followup was made to obtain missing information. In addition, a similar review of questionnaires was done in the central processing offices. As a rule, however, editing was performed by hand only when it could not be done effectively by machine.

As one of the first steps in computerized editing, the configuration of marks on the questionnaire was scanned electronically to determine whether it contained information for a person or housing unit or merely spurious marks. If any characteristic for a housing unit was still missing when the questionnaires reached the central processing offices, it was supplied by allocation. Allocation, or assignments of acceptable codes in place of unacceptable entries, were

needed most often when an entry for a given item was lacking or when the information reported for a particular item was inconsistent with another item for the same housing unit. As in previous censuses, allocations or the assignment of acceptable entries were used to replace blanks or unacceptable entries. The allocation procedure was based on using information reported for another housing unit with characteristics similar to those of the housing unit for which allocation was necessary. For example, if the unit was reported as rented but the amount of rent was missing, the computer automatically assigned the rent that was reported for the preceding renter-occupied unit. The assignment of acceptable codes in place of blanks or unacceptable entries is designed to enhance the usefulness of the data.

Specific tolerances were established for the number of computer allocations that would be permitted. If the number of corrections was beyond tolerance, the questionnaires in which the errors occurred were clerically reviewed. If it was found that the errors resulted from damaged questionnaires, from improper microfilming, from faulty reading by FOSDIC of undamaged questionnaires, or from other types of machine failure, the questionnaires were reprocessed.

### ALLOCATION TABLES

The extent of allocations for nonresponses and inconsistencies for individual subject items is given for SMSA's and places in the 1980 Census of Population PC80-1-B and PC80-1-C reports and in the 1980 Census of Housing HC80-1-A and HC80-1-B reports.



Table A. Unadjusted Standard Errors for Estimated Totals

[Based on a 1-in-6 simple random sample]

Estimated Total <sup>1/</sup>	Size of publication area <sup>2/</sup>													
	500	1 000	2 500	5 000	10 000	25 000	50 000	100 000	250 000	500 000	1 000 000	5 000 000	10 000 000	25 000 000
50.....	16	16	16	16	16	16	16	16	16	16	16	16	16	16
100.....	20	21	22	22	22	22	22	22	22	22	22	22	22	22
250.....	25	30	35	35	35	35	35	35	35	35	35	35	35	35
500.....	-	35	45	45	50	50	50	50	50	50	50	50	50	50
1 000.....	-	-	55	65	65	70	70	70	70	70	70	70	70	70
2 500.....	-	-	-	80	95	110	110	110	110	110	110	110	110	110
5 000.....	-	-	-	-	110	140	150	150	160	160	160	160	160	160
10 000.....	-	-	-	-	-	170	200	210	220	220	220	220	220	220
15 000.....	-	-	-	-	-	170	230	250	270	270	270	270	270	270
25 000.....	-	-	-	-	-	-	250	310	340	350	350	350	350	350
75 000.....	-	-	-	-	-	-	-	310	510	570	590	610	610	610
100 000.....	-	-	-	-	-	-	-	-	550	630	670	700	700	710
250 000.....	-	-	-	-	-	-	-	-	-	790	970	1 090	1 100	1 100
500 000.....	-	-	-	-	-	-	-	-	-	-	1 120	1 500	1 540	1 570
1 000 000.....	-	-	-	-	-	-	-	-	-	-	-	2 000	2 120	2 190
5 000 000.....	-	-	-	-	-	-	-	-	-	-	-	-	3 540	4 470
10 000 000.....	-	-	-	-	-	-	-	-	-	-	-	-	-	5 480

<sup>1/</sup> For estimated totals larger than 10 000 000, the standard error is somewhat larger than the table values. The formula given below should be used to calculate the standard error.

$$Se(\hat{Y}) = \sqrt{5\hat{Y}(1-\frac{\hat{Y}}{N})}$$

N = Size of area

$\hat{Y}$  = Estim. of characteristic total

<sup>2/</sup> The total count of housing units in the area.

Table B. Unadjusted Standard Error in Percentage Points for Estimated Percentages

[Based on a 1-in-6 simple random sample]

Estimated Percentage	Base of percentage <sup>1/</sup>												
	500	750	1 000	1 500	2 500	5 000	7 500	10 000	25 000	50 000	100 000	250 000	500 000
2 or 98.....	1.4	1.1	1.0	0.8	0.6	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1
5 or 95.....	2.2	1.8	1.5	1.3	1.0	0.7	0.6	0.5	0.3	0.2	0.2	0.1	0.1
10 or 90.....	3.0	2.4	2.1	1.7	1.3	0.9	0.8	0.7	0.4	0.3	0.2	0.1	0.1
15 or 85.....	3.6	2.9	2.5	2.1	1.6	1.1	0.9	0.8	0.5	0.4	0.3	0.2	0.1
20 or 80.....	4.0	3.3	2.8	2.3	1.8	1.3	1.0	0.9	0.6	0.4	0.3	0.2	0.1
25 or 75.....	4.3	3.5	3.1	2.5	1.9	1.4	1.1	1.0	0.6	0.4	0.3	0.2	0.1
30 or 70.....	4.6	3.7	3.2	2.6	2.0	1.4	1.2	1.0	0.6	0.5	0.3	0.2	0.1
35 or 65.....	4.8	3.9	3.4	2.8	2.1	1.5	1.2	1.1	0.7	0.5	0.3	0.2	0.2
50.....	5.0	4.1	3.5	2.9	2.2	1.6	1.3	1.1	0.7	0.5	0.4	0.2	0.2

<sup>1/</sup> For a percentage and/or base of percentage not shown in the table, the formula given below may be used to calculate the standard error.

$$Se(\hat{p}) = \sqrt{\frac{5}{B} \hat{p}(100-\hat{p})}$$

B = Base of estimated percentage

$\hat{p}$  = Estimated percentage

Table C. Standard Error Adjustment Factors

[Percent of persons or housing units in sample]

Characteristic	Less than 19 Percent	19 to 33 Percent	More than 33 Percent
Household type.....	1.0	0.9	0.5
Age and sex of householder.....	1.0	1.0	0.5
Occupancy status.....	1.1	1.0	0.5
Vacant price asked and vacant rent asked..	1.1	1.0	0.5
Tenure.....	1.0	1.0	0.5
Units in structure.....	1.1	1.1	0.5
Stories in structure.....	0.9	0.9	0.4
Passenger elevator.....	0.9	0.9	0.4
Persons in unit.....	1.0	0.9	0.5
Year structure built.....	1.0	0.9	0.5
Year householder moved into housing unit.....	1.0	0.9	0.5
Heating equipment and fuel.....	1.1	0.9	0.5
Number of bedrooms.....	1.1	0.9	0.5
Rooms.....	1.1	0.9	0.5
Telephone in housing unit.....	1.0	0.9	0.5
Air conditioning.....	1.0	0.9	0.5
Vehicles available.....	1.0	1.0	0.5
Gross rent and contract rent.....	1.0	0.9	0.5
Gross rent as a percentage of household income in 1979.....	1.0	0.9	0.5
Mortgage status and selected monthly owner costs.....	1.0	1.0	0.5
Household income.....	1.0	0.9	0.5
Poverty status: Housing.....	1.0	1.0	0.5
Existence of complete plumbing for exclusive use with 1.01 persons per room or more.....	1.0	0.9	0.5
Value.....	1.0	1.0	0.5



Table D. **Percent of Housing Units in Sample: 1980**

[For meaning of symbols, see Introduction. For definitions of terms, see appendixes A and B]

**The SMSA  
Places of 50,000 or More and  
Central Cities of SMSA's**

The SMSA -----  
  
**PLACES OF 50,000 OR MORE AND CENTRAL  
CITIES OF SMSA's**  
  
Cedar Rapids city -----

Housing units	
100-percent count	Percent in sample
64 778	17.9
43 541	16.1





## Appendix E.—Facsimiles of Respondent Instructions and Questionnaire Pages

### INSTRUCTIONS FOR QUESTIONS 1 THROUGH 10

1. List in question 1 (on page 1), the names of all the people who usually live here. Then turn to pages 2 and 3 where there are columns to list up to seven persons. In the first column print the name of one of the household members in whose name this home is owned or rented. If no household member owns or rents the living quarters, list in the first column any adult household member who is not a roomer, boarder, or paid employee. Print the names of the other household members, if any, in the columns which follow, using question 1 as a checklist.

2. Fill a circle to show how each person is related to the person in column 1.

A stepchild or legally adopted child of the person in column 1 should be marked **Son/daughter**. Foster children or wards living in the household should be marked **Roomer, boarder**.

3. Be sure to fill a circle for the sex of each person.

4. Fill the circle for the category with which the person most closely identifies. If you fill the **Indian (American)** or **Other** circle, be sure to print the name of the specific Indian tribe or specific group.

5. Enter age at last birthday in the space provided (enter "0" for babies less than one year old). Also enter month and year of birth, and fill the appropriate circles. For an illustration of how to complete question 5, see the example on pages 4 and 5. If age or month or year of birth is not known, give your best estimate.

6. If the person's only marriage was annulled, mark **Never married**.

7. A person is of Spanish/Hispanic origin or descent if the person *identifies* his or her ancestry with one of the listed groups, that is, Mexican, Puerto Rican, etc. Origin or descent (ancestry) may be viewed as the nationality group, the lineage, or country in which the person or the person's parents or ancestors were born.

8. Do not count enrollment in a trade or business school, company training, or tutoring unless the course would be accepted for credit at a regular elementary school, high school, or college. A *public* school is any school or college which is controlled and supported primarily by a local, county, State, or Federal Government.

9. Fill only one circle. Mark the highest grade *ever* attended even if the person did not finish it. If the person is still in school, mark the grade in which now enrolled. Schooling received in foreign or ungraded schools should be reported as the equivalent grade or year in the regular American school system. If uncertain whether a Head Start program is for nursery school or kindergarten, mark the circle for Nursery school.

If the person skipped or repeated grades, mark the highest grade *ever* attended regardless of how long it took to get there. Persons who did not attend any college but who completed high school by finishing the 12th grade or by passing an equivalency test, such as the

General Educational Development (GED) examination, should fill the circle for the 12th grade.

10. Mark **Finished this grade (or year)** only if the person finished the *entire* grade or year marked in question 9 or if the highest grade was completed by passing a high school equivalency test.

### INSTRUCTIONS FOR QUESTIONS H4 THROUGH H12

- H4. Mark only one circle. *This address* means the house or building number where your living quarters are located.

- H5. Mark the second circle only if you *must* go through someone else's living quarters to get to your own.

- H6. Consider that you have hot water *even* if you have it only part of the time.

Mark **Yes, but also used by another household** if someone else who lives in the same building, but is not a member of your household, also uses the facilities. Mark this circle also if the occupants of living quarters now vacant would also use the facilities in your living quarters.

- H7. Count only whole rooms used for living purposes, such as living rooms, dining rooms, kitchens, bedrooms, finished recreation rooms, family rooms, etc. Do not count bathrooms, kitchenettes, strip or pullman kitchens, utility rooms, or unfinished attics, unfinished basements, or other space used for storage.

- H8. Mark **Owned or being bought** if the living quarters are owned outright or are mortgaged. Also mark **Owned or being bought** if the living quarters are owned but the land is rented.

Mark **Rented for cash rent** if any money rent is paid. Rent may be paid by persons who are not members of your household.

**Occupied without payment of cash rent** includes, for example, a parsonage, military housing, a house or apartment provided free of rent by the owner, or a house or apartment occupied by a janitor or caretaker in exchange for services.

- H9. A *condominium* is housing in which the apartments or houses in a development are individually owned, but the common areas, such as lobbies, halls, etc., are jointly owned. The person owning a condominium very likely has a mortgage on the particular unit.

- H10b. A *commercial establishment* is easily recognized from the outside, for example, a grocery store or barber shop. A *medical office* is a doctor's or dentist's office regularly visited by patients.

- H11. Include the value of the house, the land it is on, and any other structures on the same property. If the house is owned but the land is rented, estimate the combined value of the house and the

land. If this is a condominium unit, enter the estimated value for your living quarters and your share of the common elements.

- H12. Report the rent agreed to or contracted for, even if the rent is unpaid or paid by someone else.

If rent is not paid by the month, change the rent to a monthly amount; and then fill the appropriate circle in question H12.

If rent is paid:	Multiply rent by:
By the day	30
By the week	4
Every other week	2

If rent is paid:	Divide rent by:
4 times a year	3
2 times a year	6
Once a year	12

### INSTRUCTIONS FOR QUESTIONS H13 THROUGH H20

- H13. Mark only one circle.

*Detached* means there is open space on all sides, or the house is joined only to a shed or garage. *Attached* means that the house is joined to another house or building by at least one wall which goes from ground to roof.

Mark **A** one-family house detached from any other house when a mobile home or trailer has had one or more rooms added or built onto it; a porch or shed is not considered a room.

Count all occupied and vacant living quarters in the house or building, but not stores or office space.

- H14a. Do not count unfinished basements or unfinished attics. However, a basement or attic with finished room(s) for living purposes should be counted as a story.

- H15a. A *city or suburban* lot is usually located in a city, a community, or any built-up area outside a city or community, and is not larger than the house and yard. All living quarters in apartment buildings, including garden-type apartments in the city or suburbs, are considered on a city or suburban lot.

A *place* is a farm, ranch, or any other property, other than a city or suburban lot, on which this *residence* is located.

- H16. If a well provides water for six or more houses or apartments, mark **A** public system. If a well provides water for five or fewer houses or apartments, mark one of the categories for *individual well*.

*Drilled wells*, or small diameter wells, are usually less than 1½ feet in diameter. *Dug wells* are generally hand dug and are wider.

- H17. A *public sewer* is operated by a government body or a private organization. A *septic tank* or *cesspool* is an underground tank or pit used for disposal of sewage.

- H19. The term *person in column 1* refers to the person listed in the first column on page 2. This person should be the household member (or one of the members) in whose name the house is owned or rented. If there is no such person, any adult household member can be the person in column 1. Mark when this person last moved into *this* house or apartment.

- H20. This question refers to the type of *heating equipment* and not to the fuel used.

An *electric heat pump* is sometimes known as a reverse cycle

system. It may be centrally installed with ducts to the rooms or individual heat pumps in the rooms.

A *floor, wall, or pipeless furnace* delivers warm air to the room right above the furnace or to the room(s) on one or both sides of the wall in which the furnace is installed and does not have ducts leading to other rooms.

Any heater that you plug into an electric outlet should be counted as a *portable room heater*.

### INSTRUCTIONS FOR QUESTIONS H21 THROUGH H32

- H21. *Gas from underground pipes* is piped in from a central system such as one operated by a public utility company or a municipal government. *Bottled, tank, or LP gas* is stored in tanks which are refilled or exchanged when empty. *Other fuel* includes any fuel not separately listed, for example, purchased steam, fuel briquettes, waste material, etc.

- H22. If your living quarters are rented, enter the costs for utilities and fuels only if you pay for them in addition to the rent entered in H12. If already included in rent, fill the appropriate circle.

The amounts to be reported should be for the past 12 months, that is, for electricity and gas, the monthly *average* for the past 12 months; for water and other fuels, the *total* amount for the past 12 months.

Estimate as closely as possible when exact costs are not known.

Report amounts even if your bills are unpaid or paid by someone else. If the bills include utilities or fuel used also by another apartment or a business establishment, estimate the amounts for your own living quarters. If gas and electricity are billed together, enter the combined amount on the electricity line and bracket ( { ) the two utilities.

- H23. The kitchen sink, stove, and refrigerator must be located in the building but do *not* have to be in the same room. Portable cooking equipment is not considered as a range or cook stove.

- H26. Answer *Yes only* if the telephone is located *in* your living quarters.

- H27. Count only equipment used to cool the air by means of a refrigeration unit.

- H28—H29. Count company cars (including police cars and taxicabs) and company trucks that are regularly kept at home and used by household members. Do *not* count cars or trucks permanently out of working order.

- H30—H32. Do not answer these questions if you live in a cooperative, regardless of the number of units in the structure.

- H30. Report taxes for all taxing jurisdictions even if they are included in mortgage payment, not paid yet, paid by someone else, or are delinquent.

- H31. When premiums are paid on other than a yearly basis, convert to a yearly basis and enter the yearly amount, even if no payment was made during the past 12 months.

- H32a. The word "mortgage" is used as a general term to indicate all types of loans which are secured by real estate.



- b. A second or junior mortgage is also secured by real estate but has been made by the homeowner in addition to the first mortgage.
- c. Enter a monthly amount even if it is unpaid or paid by someone else. If the amount is paid on some other periodic basis, see instructions for H12 to change it to a monthly amount.

#### INSTRUCTIONS FOR QUESTIONS 11 THROUGH 14

##### 11. For persons born in the United States:

Print the name of the State in which this person's mother was living when this person was born. For persons born in a hospital, do not give the State in which the hospital was located unless the hospital and the mother's home were in the same State or the location of the mother's home is not known. For example, if a person was born in a hospital in Washington, D.C., but the mother's home was in Virginia at the time of the person's birth, enter "Virginia."

##### For persons born outside the United States:

Print the full name of the foreign country or Puerto Rico, Guam, etc., where the person was born. Use international boundaries as now recognized by the United States. Specify whether Northern Ireland or Ireland (Eire); East or West Germany; England, Scotland or Wales (*not* Great Britain or United Kingdom). Specify the particular island in the Caribbean, *not*, for example, West Indies.

12. This question is only for persons born in a foreign country. Fill the Yes, a naturalized citizen circle only if the person has *completed* the naturalization process and is now a citizen.

If the person has entered the U.S. more than once, fill the circle for the year he or she came to stay permanently.

- 13a. Mark No, only speaks English if the person always speaks English *at home*; then skip to question 14.

Mark Yes if the person speaks a language other than English *at home*. Do *not* mark Yes for a language spoken only at school or if speaking ability is limited to a few expressions or slang.

- b. Print the non-English language spoken *at home*. If this person speaks two or more non-English languages *at home* and cannot determine which is spoken most often, report the first language the person learned to speak.

- c. Fill the circle that best describes the person's *ability* to speak English.

- (1) The circle Very well should be filled for persons who have no difficulty speaking English.
- (2) The circle Well should be filled for persons who have only minor problems which do not seriously limit their ability to speak English.
- (3) The circle Not well should be filled for persons who are seriously limited in their ability to speak English.
- (4) The circle Not at all should be filled for persons who do not speak English at all.

14. Print the ancestry group with which the person *identifies*. Ancestry (or origin or descent) may be viewed as the nationality group, the lineage, or the country in which the person or the person's parents or ancestors were born before their arrival in the United States. Persons who are of more than one origin and who cannot identify with a single group should print their multiple ancestry (for example, German-Irish).

Be specific; for example, if ancestry is "Indian," specify whether American Indian, Asian Indian, or West Indian. Distinguish Cape Verdean from Portuguese, and French Canadian from Canadian.

A religious group should not be reported as a person's ancestry.

#### INSTRUCTIONS FOR QUESTIONS 15 THROUGH 20

- 15a. Mark Yes, this house if this person lived in this same house or apartment on April 1, 1975, but moved away and came back between then and now. Mark No, different house if this person lived in the same building but in a different apartment (or in the same mobile home or trailer but on a different trailer site).

- b. If this person lived in a different house or apartment on April 1, 1975, give the location of this person's usual home at that time.

Part (1) If the person was living in the United States on April 1, 1975, print the name of the State. If the person did *not* live in the United States on April 1, 1975, print the full name of the foreign country or Puerto Rico, Guam, etc.

Part (2) If in Louisiana, print the parish name. If in Alaska, print the borough name. If in New York City — print the borough name if the county name is not known. If an independent city, leave blank.

Part (3) If in Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island or Vermont, print the name of the town rather than the name of the village or city, unless the name of the town is unknown.

Part (4) Mark Yes if you know that the location is *now* inside the limits of a city, town, village or other incorporated place, even if it was not inside the limits on April 1, 1975.

- 17a. Mark Yes only if this person was on *active* duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard. Mark No if the person was in the National Guard or the reserves.

- b. Mark Yes if the person was attending a college or university either full or part time and was enrolled for credit toward a degree. Mark No if the person was taking only non-credit courses or was attending a vocational or trade school, such as secretarial school.

- c. Mark Yes, full time if the person worked full time (35 hours or more per week). Mark Yes, part time if the person worked part time (less than 35 hours per week). Mark No if the person only did unpaid volunteer work, housework or yard work at own home, or if the only work done was as a resident of an institution.

- 18a. Mark Yes if this person was ever on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or Coast Guard, even if the time served was short. For persons in the National Guard or military reserve units, mark Yes *only* if the person was ever called to active duty; mark No if the only service was active duty for training.

- b. If this person served during more than one period, fill all circles which apply, even if service was for a short time.

19. The term "health condition" refers to any physical or mental problem which has lasted for 6 or more months. A serious problem with seeing, hearing, or speech should be considered a health condition. Pregnancy or a temporary health problem such as a broken bone that is expected to heal normally should *not* be considered a health condition.

20. Count all children born alive, including any who have died (even shortly after birth) or who no longer live with her.

INSTRUCTIONS FOR QUESTIONS 21 THROUGH 26

21. If the exact date of marriage is not known, give your best estimate.
- 22a. Mark **Yes** if the person worked, either full or part time, on any day of last week (Sunday through Saturday).

Count as work:

Work for someone else for wages, salary, piece rate, commission, tips, or payments "in kind" (for example, food, lodging received as payment for work performed).

Work in own business, professional practice, or farm.

Any work in a family business or farm, paid or not.

Any part-time work including babysitting, paper routes, etc.

Active duty in Armed Forces.

Do not count as work:

Housework or yard work at home.

Unpaid volunteer work.

Work done as a resident of an institution.

- b. Give the *actual* number of hours worked at *all jobs last week*, even if that was more or fewer hours than usually worked.
23. If the person worked at several locations, but reported to the same location each day to begin work, print where he or she reported. If the person did not report to the same location each day to begin work, print the words "various locations" for 23a, and give as much information as possible in the remainder of 23 to identify the area in which he or she worked *most* last week.

If the person's employer operates in more than one location (such as a grocery store chain or public school system), give the exact address of the location or branch where the person worked.

If the person worked in a foreign country or Puerto Rico, Guam, etc., print the name of the country in 23e and leave the other parts of 23 blank.

- 24a. Travel time is from door to door. Include time taken waiting for public transportation, picking up passengers in carpools, etc.
- b. Mark **Worked at home** for a person who works on a farm where he or she lives, or in an office or shop in the person's home.
- c. If the person was driven to work by someone who then drove back home or to a non-work destination, mark **Drive alone**.
- d. Do not include riders who rode to school or some other non-work destination.
25. If the person works only during certain seasons or on a day-to-day basis when work is available, mark **No**.

- 26a. Mark **Yes** if the person tried to get a job or to start a business or professional practice at any time in the last *four* weeks; for example, registered at an employment office, went to a job interview, placed or answered ads, or did anything toward starting a business or professional practice.

- b. Mark **No**, already has a job if the person was on layoff or was expecting to report to a job within 30 days.

Mark **No**, temporarily ill if the person expects to be able to work within 30 days

Mark **No**, other reasons if the person could not have taken a job because he or she was going to school, taking care of children, etc.

INSTRUCTIONS FOR QUESTIONS 27 THROUGH 29

27. Look at the instructions for 22a to see what to count as work. Mark **Never worked** if the person: (1) never worked at any kind of job or business, either full or part time, (2) never did any work, with or without pay, in a family business or farm *and* (3) never served in the Armed Forces.

- 28a. If the person worked for a company, business, or government agency, print the name of the company, not the name of the person's supervisor. If the person worked for an individual or a business that has no company name, print the name of the individual worked for. If the person worked in his or her own business, print "self-employed."

- b. Print two or more words to tell what the business, industry, or individual employer named in 28a does. If there is more than one activity, describe only the major activity *at the place where the person works*. Enter what is made, what is sold, or what service is given.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Furniture company

Grocery store

Oil company

Ranch

Acceptable

Metal furniture manufacturing

Wholesale grocery store

Retail gas station

Cattle ranch

- c. Mark **Manufacturing** if the factory, plant, mill, etc., mostly makes things, even if it also sells them.

Mark **Wholesale trade** if the business mostly sells things to stores or other companies.

Mark **Retail trade** if the business mostly sells things (not services) to individuals.

Mark **Other** if the main activity of the employer is not making or selling things. Some examples of **Other** are farming, construction, and services such as those provided by hotels, dry cleaners, repair shops, schools, and banks.

- 29a. Print two or more words to describe the kind of work the person does. If the person is a trainee, apprentice, or helper, include that in the description.

Some examples of what is needed to make an answer acceptable are shown on the census form and here.

Unacceptable

Clerk

Helper

Mechanic

Nurse

Acceptable

Production clerk

Carpenter's helper

Auto engine mechanic

Registered nurse

- b. Print the most important things that the person does on the job. Some examples are shown on the census form.



INSTRUCTIONS FOR QUESTIONS 30 THROUGH 33

30. If the person was an employee of a *private* nonprofit organization, such as a church, fill the first circle:

Mark Local government employee for a teacher working in an elementary or secondary public school.

- 31a. Look at the instructions for question 22a to see what to count as work.

- b. Count every week in which the person did any work at all, even for an hour.

- c. If the hours worked each week varied considerably, give the best estimate of the hours usually worked most weeks.

- d. Count every week in which the person did not work at all, but spent any time looking for work or on layoff from a job. *Looking for work* means trying to get a job or start a business or professional practice; *layoff* includes either temporary or indefinite layoff.

32. Fill the Yes or No circle for each part and enter the appropriate amount. If income from any source was received jointly by household members, report if possible, the appropriate share for each person; otherwise, report the whole amount for only one person and mark No for the other person, unless the other person has additional income of the same type.

- a. Include sick leave pay. Do not include reimbursement for business

expenses and pay "in kind," (for example, food, lodging received as payment for work performed).

- b. Include net earnings (gross earnings minus business expenses) from a nonfarm business. If business lost money, write "Loss" above the amount.

- c. Include net earnings (gross receipts minus operating expenses) from a farm. If farm lost money, write "Loss" above the amount.

- d. Include interest and dividends credited to the person's account (for example, from savings accounts and stock shares), net royalties, and net income from rental property.

- e. Include Social Security or Railroad Retirement payments to retired persons, to dependents of deceased insured workers and to disabled workers.

- f. Include public assistance or welfare payments received from Federal, State, or local agencies. Do not include private welfare payments.

- g. Include all other regular payments, such as government employee retirement, union or private pensions and annuities; unemployment benefits; worker's compensation; Armed Forces allotments; private welfare payments; regular contributions from persons not living in the household; etc.

Do not include lump-sum payments received from the sale of property (capital gains), insurance policies, inheritances, etc.

33. If no income was received in 1979, fill the None circle. If total income was a loss, write "Loss" above the amount.

Please fill out this  
official Census Form  
and mail it back on  
Census Day,  
Tuesday, April 1, 1980

# 1980 Census of the United States

If the address shown below has the wrong apartment identification,  
please write the correct apartment number or location here:


DO	A1	A2	A4	A5	A6
				L	

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## Your answers are confidential

By law (title 13, U.S. Code), census employees are subject to fine and/or imprisonment for any disclosure of your answers. Only after 72 years does your information become available to other government agencies or the public. The same law requires that you answer the questions to the best of your knowledge.

## Para personas de habla hispana

(For Spanish-speaking persons):  
SI USTED DESEA UN CUESTIONARIO DEL CENSO EN ESPAÑOL llame a la oficina del censo. El número de teléfono se encuentra en el encasillado de la dirección.

O, si prefiere, marque esta casilla ☐ y devuelva el cuestionario por correo en el sobre que se le incluye.

A message from the Director,  
Bureau of the Census . . .

We must, from time to time, take stock of ourselves as a people if our Nation is to meet successfully the many national and local challenges we face. This is the purpose of the 1980 census.

The essential need for a population census was recognized almost 200 years ago when our Constitution was written. As provided by article I, the first census was conducted in 1790 and one has been taken every 10 years since then.

The law under which the census is taken protects the confidentiality of your answers. For the next 72 years — or until April 1, 2052 — only sworn census workers have access to the individual records, and no one else may see them.

Your answers, when combined with the answers from other people, will provide the statistical figures needed by public and private groups, schools, business and industry, and Federal, State, and local governments across the country. These figures will help all sectors of American society understand how our population and housing are changing. In this way, we can deal more effectively with today's problems and work toward a better future for all of us.

The census is a vitally important national activity. Please do your part by filling out this census form accurately and completely. If you mail it back promptly in the enclosed postage-paid envelope, it will save the expense and inconvenience of a census taker having to visit you.

Thank you for your cooperation.





Page 2

ALSO ANSWER THE HOUSING QUESTIONS ON PAGE 3

Here are the QUESTIONS ↓	These are the columns for ANSWERS → Please fill one column for each person listed in Question 1.	PERSON in column 1		PERSON in column 2	
		Last name	First name Middle initial	Last name	First name Middle initial
<b>2. How is this person related to the person in column 1?</b>  Fill one circle.  If "Other relative" of person in column 1, give exact relationship, such as mother-in-law, niece, grandson, etc.	<b>START</b> in this column with the household member (or one of the members) in whose name the home is owned or rented. If there is no such person, start in this column with any adult household member.	If relative of person in column 1: <input type="radio"/> Husband/wife <input type="radio"/> Father/mother <input type="radio"/> Son/daughter <input type="radio"/> Other relative <input type="radio"/> Brother/sister  If not related to person in column 1: <input type="radio"/> Roomer, boarder <input type="radio"/> Other nonrelative <input type="radio"/> Partner, roommate <input type="radio"/> Paid employee			
<b>3. Sex</b> Fill one circle.	<input type="radio"/> Male <input checked="" type="radio"/> Female	<input type="radio"/> Male <input checked="" type="radio"/> Female			
<b>4. Is this person —</b>  Fill one circle.	<input type="radio"/> White <input type="radio"/> Asian Indian <input type="radio"/> Black or Negro <input type="radio"/> Hawaiian <input type="radio"/> Japanese <input type="radio"/> Guamanian <input type="radio"/> Chinese <input type="radio"/> Samoan <input type="radio"/> Filipino <input type="radio"/> Eskimo <input type="radio"/> Korean <input type="radio"/> Aleut <input type="radio"/> Vietnamese <input type="radio"/> Other — Specify <input type="radio"/> Indian (Amer.) Print tribe →	<input type="radio"/> White <input type="radio"/> Asian Indian <input type="radio"/> Black or Negro <input type="radio"/> Hawaiian <input type="radio"/> Japanese <input type="radio"/> Guamanian <input type="radio"/> Chinese <input type="radio"/> Samoan <input type="radio"/> Filipino <input type="radio"/> Eskimo <input type="radio"/> Korean <input type="radio"/> Aleut <input type="radio"/> Vietnamese <input type="radio"/> Other — Specify <input type="radio"/> Indian (Amer.) Print tribe →			
<b>5. Age, and month and year of birth</b>  a. Print age at last birthday. b. Print month and fill one circle. c. Print year in the spaces, and fill one circle below each number.	a. Age at last birthday: 1    8    0    0 9    1    1 2    2 3    3 4    4 5    5 6    6 7    7 8    8 9    9 b. Month of birth: Jan.—Mar. <input checked="" type="radio"/> Apr.—June <input type="radio"/> July—Sept. <input type="radio"/> Oct.—Dec. <input type="radio"/> c. Year of birth: 1    8    0    0 9    1    1 2    2 3    3 4    4 5    5 6    6 7    7 8    8 9    9	a. Age at last birthday: 1    8    0    0 9    1    1 2    2 3    3 4    4 5    5 6    6 7    7 8    8 9    9 b. Month of birth: Jan.—Mar. <input checked="" type="radio"/> Apr.—June <input type="radio"/> July—Sept. <input type="radio"/> Oct.—Dec. <input type="radio"/> c. Year of birth: 1    8    0    0 9    1    1 2    2 3    3 4    4 5    5 6    6 7    7 8    8 9    9			
<b>6. Marital status</b>  Fill one circle.	<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced	<input type="radio"/> Now married <input type="radio"/> Separated <input type="radio"/> Widowed <input type="radio"/> Never married <input type="radio"/> Divorced			
<b>7. Is this person of Spanish/Hispanic origin or descent?</b>  Fill one circle.	<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano <input type="radio"/> Yes, Puerto Rican <input checked="" type="radio"/> <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic	<input type="radio"/> No (not Spanish/Hispanic) <input type="radio"/> Yes, Mexican, Mexican-Amer., Chicano <input type="radio"/> Yes, Puerto Rican <input checked="" type="radio"/> <input type="radio"/> Yes, Cuban <input type="radio"/> Yes, other Spanish/Hispanic			
<b>8. Since February 1, 1980, has this person attended regular school or college at any time?</b> Fill one circle. Count nursery school, kindergarten, elementary school, and schooling which leads to a high school diploma or college degree.	<input type="radio"/> No, has not attended since February 1 <input type="radio"/> Yes, public school, public college <input type="radio"/> Yes, private, church-related <input type="radio"/> Yes, private, not church-related	<input type="radio"/> No, has not attended since February 1 <input type="radio"/> Yes, public school, public college <input type="radio"/> Yes, private, church-related <input type="radio"/> Yes, private, not church-related			
<b>9. What is the highest grade (or year) of regular school this person has ever attended?</b>  Fill one circle.  If now attending school, mark grade person is in. If high school was finished by equivalency test (GED), mark "12."	Highest grade attended: <input type="radio"/> Nursery school <input type="radio"/> Kindergarten Elementary through high school (grade or year) 1 2 3 4 5 6 7 8 9 10 11 12 <input type="radio"/> College (academic year) <input checked="" type="radio"/> 1 2 3 4 5 6 7 8 or more <input type="radio"/> Never attended school — Skip question 10	Highest grade attended: <input type="radio"/> Nursery school <input type="radio"/> Kindergarten Elementary through high school (grade or year) 1 2 3 4 5 6 7 8 9 10 11 12 <input type="radio"/> College (academic year) <input checked="" type="radio"/> 1 2 3 4 5 6 7 8 or more <input type="radio"/> Never attended school — Skip question 10			
<b>10. Did this person finish the highest grade (or year) attended?</b>  Fill one circle.	<input type="radio"/> Now attending this grade (or year) <input type="radio"/> Finished this grade (or year) <input type="radio"/> Did not finish this grade (or year)	<input type="radio"/> Now attending this grade (or year) <input type="radio"/> Finished this grade (or year) <input type="radio"/> Did not finish this grade (or year)			
CENSUS USE ONLY	A. <input type="radio"/> I <input type="radio"/> N <input type="radio"/>	CENSUS USE ONLY    A. <input type="radio"/> I <input type="radio"/> N <input type="radio"/>			



**PERSON in column 7**

Last name \_\_\_\_\_ First name \_\_\_\_\_ Middle initial \_\_\_\_\_

If relative of person in column 1:

☐ Husband/wife ☐ Father/mother  
☐ Son/daughter ☐ Other relative  
☐ Brother/sister

If not related to person in column 1:

☐ Roomer, boarder ☐ Other nonrelative  
☐ Partner, roommate ☐ Paid employee

☐ Male ☐ Female

☐ White ☐ Asian Indian  
☐ Black or Negro ☐ Hawaiian  
☐ Japanese ☐ Guamanian  
☐ Chinese ☐ Samoan  
☐ Filipino ☐ Eskimo  
☐ Korean ☐ Aleut  
☐ Vietnamese ☐ Other — Specify \_\_\_\_\_  
☐ Indian (Amer.)  
Print tribe → \_\_\_\_\_

a. Age at last birthday \_\_\_\_\_ c. Year of birth \_\_\_\_\_

b. Month of birth \_\_\_\_\_

☐ Jan.—Mar. ☐ 1 ☐ 8 ☐ 0 ☐ 0  
☐ Apr.—June ☐ 9 ☐ 1 ☐ 1  
☐ July—Sept. ☐ 2 ☐ 2  
☐ Oct.—Dec. ☐ 3 ☐ 3  
☐ 4 ☐ 4  
☐ 5 ☐ 5  
☐ 6 ☐ 6  
☐ 7 ☐ 7  
☐ 8 ☐ 8  
☐ 9 ☐ 9

☐ Now married ☐ Separated  
☐ Widowed ☐ Never married  
☐ Divorced

☐ No (not Spanish/Hispanic)  
☐ Yes, Mexican, Mexican-Amer., Chicano  
☐ Yes, Puerto Rican  
☐ Yes, Cuban  
☐ Yes, other Spanish/Hispanic

☐ No, has not attended since February 1  
☐ Yes, public school, public college  
☐ Yes, private, church-related  
☐ Yes, private, not church-related

**Highest grade attended:**

☐ Nursery school ☐ Kindergarten  
Elementary through high school (grade or year)  
1 2 3 4 5 6 7 8 9 10 11 12  
☐ College (academic year)  
1 2 3 4 5 6 7 8 or more  
☐ Never attended school—Skip question 10

☐ Now attending this grade (or year)  
☐ Finished this grade (or year)  
☐ Did not finish this grade (or year)

**CENSUS USE ONLY**

A. ☐ I ☐ N ☐ O

If you listed more than 7 persons in Question 1, please see note on page 20.

## NOW PLEASE ANSWER QUESTIONS H1—H12 FOR YOUR HOUSEHOLD

**H1.** Did you leave anyone out of Question 1 because you were not sure if the person should be listed — for example, a new baby still in the hospital, a lodger who also has another home, or a person who stays here once in a while and has no other home?

- ☐ Yes — On page 20 give name(s) and reason left out.  
☐ No

**H2.** Did you list anyone in Question 1 who is away from home now — for example, on a vacation or in a hospital?

- ☐ Yes — On page 20 give name(s) and reason person is away.  
☐ No

**H3.** Is anyone visiting here who is not already listed?

- ☐ Yes — On page 20 give name of each visitor for whom there is no one at the home address to report the person to a census taker.  
☐ No

**H4.** How many living quarters, occupied and vacant, are at this address?

- ☐ One  
☐ 2 apartments or living quarters  
☐ 3 apartments or living quarters  
☐ 4 apartments or living quarters  
☐ 5 apartments or living quarters  
☐ 6 apartments or living quarters  
☐ 7 apartments or living quarters  
☐ 8 apartments or living quarters  
☐ 9 apartments or living quarters  
☐ 10 or more apartments or living quarters  
☐ This is a mobile home or trailer

**H5.** Do you enter your living quarters —

- ☐ Directly from the outside or through a common or public hall?  
☐ Through someone else's living quarters?

**H6.** Do you have complete plumbing facilities in your living quarters, that is, hot and cold piped water, a flush toilet, and a bathtub or shower?

- ☐ Yes, for this household only  
☐ Yes, but also used by another household  
☐ No, have some but not all plumbing facilities  
☐ No plumbing facilities in living quarters

**H7.** How many rooms do you have in your living quarters?

Do not count bathrooms, porches, balconies, foyers, halls, or half-rooms.

- ☐ 1 room ☐ 4 rooms ☐ 7 rooms  
☐ 2 rooms ☐ 5 rooms ☐ 8 rooms  
☐ 3 rooms ☐ 6 rooms ☐ 9 or more rooms

**H8.** Are your living quarters —

- ☐ Owned or being bought by you or by someone else in this household?  
☐ Rented for cash rent?  
☐ Occupied without payment of cash rent?

**H9.** Is this apartment (house) part of a condominium?

- ☐ No  
☐ Yes, a condominium

**H10.** If this is a one-family house —

a. Is the house on a property of 10 or more acres?

- ☐ Yes ☐ No

b. Is any part of the property used as a commercial establishment or medical office?

- ☐ Yes ☐ No

**H11.** If you live in a one-family house or a condominium unit which you own or are buying —

What is the value of this property, that is, how much do you think this property (house and lot or condominium unit) would sell for if it were for sale?

Do not answer this question if this is —

- ☐ A mobile home or trailer  
☐ A house on 10 or more acres  
☐ A house with a commercial establishment or medical office on the property

- ☐ Less than \$10,000 ☐ \$50,000 to \$54,999  
☐ \$10,000 to \$14,999 ☐ \$55,000 to \$59,999  
☐ \$15,000 to \$17,499 ☐ \$60,000 to \$64,999  
☐ \$17,500 to \$19,999 ☐ \$65,000 to \$69,999  
☐ \$20,000 to \$22,499 ☐ \$70,000 to \$74,999  
☐ \$22,500 to \$24,999 ☐ \$75,000 to \$79,999  
☐ \$25,000 to \$27,499 ☐ \$80,000 to \$89,999  
☐ \$27,500 to \$29,999 ☐ \$90,000 to \$99,999  
☐ \$30,000 to \$34,999 ☐ \$100,000 to \$124,999  
☐ \$35,000 to \$39,999 ☐ \$125,000 to \$149,999  
☐ \$40,000 to \$44,999 ☐ \$150,000 to \$199,999  
☐ \$45,000 to \$49,999 ☐ \$200,000 or more

**H12.** If you pay rent for your living quarters —

What is the monthly rent?

If rent is not paid by the month, see the instruction guide on how to figure a monthly rent.

- ☐ Less than \$50 ☐ \$160 to \$169  
☐ \$50 to \$59 ☐ \$170 to \$179  
☐ \$60 to \$69 ☐ \$180 to \$189  
☐ \$70 to \$79 ☐ \$190 to \$199  
☐ \$80 to \$89 ☐ \$200 to \$224  
☐ \$90 to \$99 ☐ \$225 to \$249  
☐ \$100 to \$109 ☐ \$250 to \$274  
☐ \$110 to \$119 ☐ \$275 to \$299  
☐ \$120 to \$129 ☐ \$300 to \$349  
☐ \$130 to \$139 ☐ \$350 to \$399  
☐ \$140 to \$149 ☐ \$400 to \$499  
☐ \$150 to \$159 ☐ \$500 or more

### FOR CENSUS USE ONLY

A4. Block number	A6. Serial number	B. Type of unit or quarters	For vacant units	D. Months vacant	F. Total persons
		<u>Occupied</u>	<u>C1. Is this unit for —</u>	<input type="radio"/> Less than 1 month	
		<input type="radio"/> First form	<input type="radio"/> Yearround use	<input type="radio"/> 1 up to 2 months	
		<input type="radio"/> Continuation	<input type="radio"/> Seasonal/Mig. — Skip C2, C3, and D.	<input type="radio"/> 2 up to 6 months	
		<u>Vacant</u>	<u>C2. Vacancy status</u>	<input type="radio"/> 6 up to 12 months	
		<input type="radio"/> Regular	<input type="radio"/> For rent	<input type="radio"/> 1 year up to 2 years	
		<input type="radio"/> Usual home elsewhere	<input type="radio"/> For sale only	<input type="radio"/> 2 or more years	
		<u>Group quarters</u>	<input type="radio"/> Rented or sold, not occupied		
		<input type="radio"/> First form	<input type="radio"/> Held for occasional use		
		<input type="radio"/> Continuation	<input type="radio"/> Other vacant		
			<u>C3. Is this unit boarded up?</u>	<u>E. Indicators</u>	
			<input type="radio"/> Yes <input type="radio"/> No	1. <input type="radio"/> Mail return	
				2. <input type="radio"/> Pop / F	



<b>H13. Which best describes this building?</b> <i>Include all apartments, flats, etc., even if vacant.</i> <ul style="list-style-type: none"> <li><input type="radio"/> A mobile home or trailer</li> <li><input type="radio"/> A one-family house detached from any other house</li> <li><input type="radio"/> A one-family house attached to one or more houses</li> <li><input type="radio"/> A building for 2 families</li> <li><input type="radio"/> A building for 3 or 4 families</li> <li><input type="radio"/> A building for 5 to 9 families</li> <li><input type="radio"/> A building for 10 to 19 families</li> <li><input type="radio"/> A building for 20 to 49 families</li> <li><input type="radio"/> A building for 50 or more families</li> <li><input type="radio"/> A boat, tent, van, etc.</li> </ul>	<b>H21a. Which fuel is used most for house heating?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Gas: from underground pipes serving the neighborhood</li> <li><input type="radio"/> Gas: bottled, tank, or LP</li> <li><input type="radio"/> Electricity</li> <li><input type="radio"/> Fuel oil, kerosene, etc.</li> <li><input type="radio"/> Coal or coke</li> <li><input type="radio"/> Wood</li> <li><input type="radio"/> Other fuel</li> <li><input type="radio"/> No fuel used</li> </ul> <b>b. Which fuel is used most for water heating?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Gas: from underground pipes serving the neighborhood</li> <li><input type="radio"/> Gas: bottled, tank, or LP</li> <li><input type="radio"/> Electricity</li> <li><input type="radio"/> Fuel oil, kerosene, etc.</li> <li><input type="radio"/> Coal or coke</li> <li><input type="radio"/> Wood</li> <li><input type="radio"/> Other fuel</li> <li><input type="radio"/> No fuel used</li> </ul>	<b>CENSUS USE</b> <b>H22a.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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<b>H14a. How many stories (floors) are in this building?</b> <i>Count an attic or basement as a story if it has any finished rooms for living purposes.</i> <ul style="list-style-type: none"> <li><input type="radio"/> 1 to 3 — Skip to H15</li> <li><input type="radio"/> 4 to 6</li> <li><input type="radio"/> 7 to 12</li> <li><input type="radio"/> 13 or more stories</li> </ul> <b>b. Is there a passenger elevator in this building?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul>	<b>c. Which fuel is used most for cooking?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Gas: from underground pipes serving the neighborhood</li> <li><input type="radio"/> Gas: bottled, tank, or LP</li> <li><input type="radio"/> Electricity</li> <li><input type="radio"/> Fuel oil, kerosene, etc.</li> <li><input type="radio"/> Coal or coke</li> <li><input type="radio"/> Wood</li> <li><input type="radio"/> Other fuel</li> <li><input type="radio"/> No fuel used</li> </ul>	<b>H22b.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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<b>H15a. Is this building —</b> <ul style="list-style-type: none"> <li><input type="radio"/> On a city or suburban lot, or on a place of less than 1 acre? — Skip to H16</li> <li><input type="radio"/> On a place of 1 to 9 acres?</li> <li><input type="radio"/> On a place of 10 or more acres?</li> </ul> <b>b. Last year, 1979, did sales of crops, livestock, and other farm products from this place amount to —</b> <ul style="list-style-type: none"> <li><input type="radio"/> Less than \$50 (or None)</li> <li><input type="radio"/> \$50 to \$249</li> <li><input type="radio"/> \$250 to \$599</li> <li><input type="radio"/> \$600 to \$999</li> <li><input type="radio"/> \$1,000 to \$2,499</li> <li><input type="radio"/> \$2,500 or more</li> </ul>	<b>H22. What are the costs of utilities and fuels for your living quarters?</b> <b>a. Electricity</b> \$ _____ .00 OR <input type="radio"/> Included in rent or no charge <i>Average monthly cost</i> <input type="radio"/> Electricity not used	<b>H22c.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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<b>H16. Do you get water from —</b> <ul style="list-style-type: none"> <li><input type="radio"/> A public system (city water department, etc.) or private company?</li> <li><input type="radio"/> An individual drilled well?</li> <li><input type="radio"/> An individual dug well?</li> <li><input type="radio"/> Some other source (a spring, creek, river, cistern, etc.)?</li> </ul>	<b>b. Gas</b> \$ _____ .00 OR <input type="radio"/> Included in rent or no charge <i>Average monthly cost</i> <input type="radio"/> Gas not used	<b>H22d.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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<b>H17. Is this building connected to a public sewer?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Yes, connected to public sewer</li> <li><input type="radio"/> No, connected to septic tank or cesspool</li> <li><input type="radio"/> No, use other means</li> </ul>	<b>c. Water</b> \$ _____ .00 OR <input type="radio"/> Included in rent or no charge <i>Yearly cost</i> <input type="radio"/> These fuels not used	<b>H22e.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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9	0	1												
<b>H18. About when was this building originally built? Mark when the building was first constructed, not when it was remodeled, added to, or converted.</b> <ul style="list-style-type: none"> <li><input type="radio"/> 1979 or 1980</li> <li><input type="radio"/> 1975 to 1978</li> <li><input type="radio"/> 1970 to 1974</li> <li><input type="radio"/> 1960 to 1969</li> <li><input type="radio"/> 1950 to 1959</li> <li><input type="radio"/> 1940 to 1949</li> <li><input type="radio"/> 1939 or earlier</li> </ul>	<b>H23. Do you have complete kitchen facilities? Complete kitchen facilities are a sink with piped water, a range or cookstove, and a refrigerator.</b> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul>	<b>H22f.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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<b>H19. When did the person listed in column 1 move into this house (or apartment)?</b> <ul style="list-style-type: none"> <li><input type="radio"/> 1979 or 1980</li> <li><input type="radio"/> 1975 to 1978</li> <li><input type="radio"/> 1970 to 1974</li> <li><input type="radio"/> 1960 to 1969</li> <li><input type="radio"/> 1950 to 1959</li> <li><input type="radio"/> 1949 or earlier</li> <li><input type="radio"/> Always lived here</li> </ul>	<b>H24. How many bedrooms do you have?</b> <i>Count rooms used mainly for sleeping even if used also for other purposes.</i> <ul style="list-style-type: none"> <li><input type="radio"/> No bedroom</li> <li><input type="radio"/> 1 bedroom</li> <li><input type="radio"/> 2 bedrooms</li> <li><input type="radio"/> 3 bedrooms</li> <li><input type="radio"/> 4 bedrooms</li> <li><input type="radio"/> 5 or more bedrooms</li> </ul>	<b>H22g.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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<b>H20. How are your living quarters heated?</b> <i>Fill one circle for the kind of heat used most.</i> <ul style="list-style-type: none"> <li><input type="radio"/> Steam or hot water system</li> <li><input type="radio"/> Central warm-air furnace with ducts to the individual rooms (Do not count electric heat pumps here)</li> <li><input type="radio"/> Electric heat pump</li> <li><input type="radio"/> Other built-in electric units (permanently installed in wall, ceiling, or baseboard)</li> <li><input type="radio"/> Floor, wall, or pipeless furnace</li> <li><input type="radio"/> Room heaters with flue or vent, burning gas, oil, or kerosene</li> <li><input type="radio"/> Room heaters without flue or vent, burning gas, oil, or kerosene (not portable)</li> <li><input type="radio"/> Fireplaces, stoves, or portable room heaters of any kind</li> <li><input type="radio"/> No heating equipment</li> </ul>	<b>H25. How many bathrooms do you have?</b> <i>A complete bathroom is a room with flush toilet, bathtub or shower, and wash basin with piped water.</i> <i>A half bathroom has at least a flush toilet or bathtub or shower, but does not have all the facilities for a complete bathroom.</i> <ul style="list-style-type: none"> <li><input type="radio"/> No bathroom, or only a half bathroom</li> <li><input type="radio"/> 1 complete bathroom</li> <li><input type="radio"/> 1 complete bathroom, plus half bath(s)</li> <li><input type="radio"/> 2 or more complete bathrooms</li> </ul> <b>H26. Do you have a telephone in your living quarters?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Yes</li> <li><input type="radio"/> No</li> </ul> <b>H27. Do you have air conditioning?</b> <ul style="list-style-type: none"> <li><input type="radio"/> Yes, a central air-conditioning system</li> <li><input type="radio"/> Yes, 1 individual room unit</li> <li><input type="radio"/> Yes, 2 or more individual room units</li> <li><input type="radio"/> No</li> </ul> <b>H28. How many automobiles are kept at home for use by members of your household?</b> <ul style="list-style-type: none"> <li><input type="radio"/> None</li> <li><input type="radio"/> 1 automobile</li> <li><input type="radio"/> 2 automobiles</li> <li><input type="radio"/> 3 or more automobiles</li> </ul> <b>H29. How many vans or trucks of one-ton capacity or less are kept at home for use by members of your household?</b> <ul style="list-style-type: none"> <li><input type="radio"/> None</li> <li><input type="radio"/> 1 van or truck</li> <li><input type="radio"/> 2 vans or trucks</li> <li><input type="radio"/> 3 or more vans or trucks</li> </ul>	<b>H22h.</b> <table border="1"> <tr><td>0</td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>0</td><td>1</td></tr> </table>	0	1	2	3	4	5	6	7	8	9	0	1
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## Appendix F.—Publication and Computer Tape Program

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### GENERAL

The results of the 1980 Census of Population and Housing are issued in three forms: printed reports, computer tape

files, and microfiche. Most of the reports listed are issued on a flow basis through 1983. A few may be issued later, such as Subject Reports and Evaluation and Reference Reports.

The publications of the 1980 census are released under three subject titles: *1980 Census of Population and Housing*, *1980 Census of Population*, and *1980 Census of Housing*. The description of the publication program below is organized in sections, by census title, followed by the reports under each title. It should be noted that a number of population census reports contain some housing data and a number of housing census reports contain some population data. Following the description of the publication program are sections on computer tapes, maps, and microfiche.

The data product descriptions include listings of geographic areas for which data are summarized in that product. Note that the term "place" refers to incorporated places and census designated (or unincorporated) places, as well as towns and townships in 11 States (the 6 New England States, the 3 Middle Atlantic States, Michigan, and Wisconsin).

Order forms for these materials are available, subject to availability of the data product, from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233; Census Bureau Regional Offices; U.S. Department of Commerce District Offices; and State Data Centers. After issuance, census reports are on file in many libraries and are available for examination at any Department of Commerce District Office or Census Bureau Regional Office.

### PUBLICATIONS

#### Population and Housing Census Reports

**PHC80-1, Block Statistics**—These reports, which are issued on microfiche rather



than in print form, present population and housing unit totals and statistics on selected characteristics which are based on complete-count tabulations. Data are shown for blocks in urbanized areas and selected adjacent areas, for blocks in places of 10,000 or more inhabitants, and for blocks in areas which contracted with the Census Bureau to provide block statistics.

The set of reports consists of 374 sets of microfiche and includes a report for each standard metropolitan statistical area (SMSA), showing blocked areas within the SMSA, and a report for each State and for Puerto Rico, showing blocked areas outside SMSA's. In addition to microfiche, printed detailed maps showing the blocks covered by the particular report are available as well as a U.S. Summary, which is an index to the set.

**PHC80-2, Census Tracts**—Statistics for most of the population and housing subjects included in the 1980 census are presented for census tracts in SMSA's and in other tracted areas. Both complete-count data and sample data are included. Most statistics are presented by race and Spanish origin for areas with at least a specified number of persons in the relevant population group.

There is one report for each SMSA, as well as one for each of the States and Puerto Rico which have tracted areas outside SMSA's. In addition, maps showing the boundaries and identification numbers of census tracts in the SMSA are available as well as a U.S. Summary, which is an index to the set and also provides a historical listing of the total number of tracts by area.

**PHC80-3, Summary Characteristics for Governmental Units and Standard Metropolitan Statistical Areas**—Statistics are presented on total population and on complete-count and sample population characteristics such as age, race, education, disability, ability to speak English, labor force, and income, and on total housing units and housing characteristics such as value, age of structure, and rent. These statistics are shown for the following areas or their equivalents: States, SMSA's, counties, county subdivisions (those which are functioning general-purpose local governments), and incorporated places.

There is one report for each State, the District of Columbia, and Puerto Rico.

This series does not include a U.S. Summary.

**PHC80-4, Congressional Districts of the 98th Congress**—These reports present complete-count and sample data for congressional districts of the 98th Congress. The reports reflect redistricting based on the 1982 elections. One report is issued for each of the 50 States and the District of Columbia.

**PHC80-S1-1, Provisional Estimates of Social, Economic, and Housing Characteristics**—This report presents provisional estimates based on sample data collected in the 1980 census. Data on social, economic, and housing characteristics are shown for the United States as a whole, each State, the District of Columbia, and SMSA's of 1 million or more inhabitants.

These data are based on a special subsample of the full census sample. The sample, which represents about 1.6 percent of the total population, was developed to provide users with initial data on characteristics of the population and housing units for the Nation and large areas.

**PHC80-S2, Advance Estimates of Social, Economic, and Housing Characteristics**—These reports present advance sample data from the 1980 census including such social and economic characteristics of the population as education, migration, labor force, and income as well as housing characteristics such as structural information, mortgage, and gross rent.

The set consists of 50 paperbound reports and includes one report for each State and the District of Columbia. No report will be issued for the United States as a whole.

Each report presents population and housing characteristics for the State, its counties or comparable areas, and places of 25,000 or more inhabitants. Selected data are shown for four race groups (White; Black; combined American Indian, Eskimo, and Aleut; and Asian and Pacific Islander) as well as for persons of Spanish origin.

### Population Census Reports

**PC80-1, Volume 1, Characteristics of the Population**—This volume presents final

population counts and statistics on population characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of four chapters for each area, chapters A, B, C, and D. Chapters A and B present data collected on a complete-count basis, and chapters C and D present estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The population totals presented in chapters A and B may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Chapters B, C, and D present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A, B, C, and D.

**PC80-1-A, Chapter A, Number of Inhabitants**—Final population counts are shown for the following areas or their equivalents: States, counties, county subdivisions, incorporated places and census designated places, standard consolidated statistical areas (SCSA's), SMSA's, and urbanized areas. Selected tables contain population counts by urban and rural residence. Many tables contain population counts from previous censuses.

**PC80-1-B, Chapter B, General Population Characteristics**—Statistics on household relationship, age, race, Spanish origin, sex, and marital status are shown for the following areas or their equivalents: States, counties (by total and rural residence), county subdivisions, places of 1,000 or more inhabitants, SCSA's,



SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-C, Chapter C, General Social and Economic Characteristics**—Statistics are presented on nativity, State or country of birth, citizenship and year of immigration for the foreign-born population, language spoken at home and ability to speak English, ancestry, fertility, family composition, type of group quarters, marital history, residence in 1975, journey to work, school enrollment, years of school completed, disability, veteran status, labor force status, occupation, industry, class of worker, labor force status in 1979, income in 1979, and poverty status in 1979. In addition, data on subjects shown in the PC80-1-B reports are presented in this report in more detail.

Each subject is shown for some or all of the following areas or their equivalents: States, counties (by rural and rural-farm residence), places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages.

**PC80-1-D, Chapter D, Detailed Population Characteristics**—Statistics on most of the subjects covered in the PC80-1-C reports are presented in this report in considerably greater detail and cross-classified by age, race, Spanish origin, and other characteristics. Each subject is shown for the State or equivalent area, and some subjects are also shown for rural residence at the State level. Most subjects are shown for SMSA's of 250,000 or more inhabitants, and a few are shown for central cities of these SMSA's.

**PC80-2, Volume 2, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. A few reports show statistics for States, SMSA's, large cities, American Indian reservations, or Alaska Native villages. Separate reports are issued on such subjects as racial and ethnic groups, type of residence, fertility, families, marital status, migration, education, employment, occupation, industry, journey to work, income, poverty status, and other topics.

**PC80-S1, Supplementary Reports**—These reports present special compilations of

1980 census statistics dealing with specific population subjects.

## Housing Census Reports

**HC80-1, Volume 1, Characteristics of Housing Units**—This volume presents vital housing unit counts and statistics on housing characteristics. It consists of reports for the following 57 areas: the United States, each of the 50 States, the District of Columbia, Puerto Rico, and the Outlying Areas—Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. The volume consists of two chapters for each area, chapters A and B. Chapter A presents data collected on a complete-count basis, and chapter B presents estimates based on sample information, except for the Outlying Areas where all data were collected on a complete-count basis.

The housing totals presented in this report may differ from the counts presented earlier in the PHC80-V reports because corrections were made for errors found after the PHC80-V reports were issued. Both chapters present statistics by race and Spanish origin for areas with at least a specified number of the relevant population group.

The U.S. Summary reports present statistics for the United States, regions, divisions, States, and selected areas below the State level. The State or equivalent Area reports (which include the District of Columbia, Puerto Rico, and the Outlying Areas) present statistics for the State or equivalent area and its subdivisions.

Statistics for each of the 57 areas are issued in separate paperbound reports of chapters A and B.

**HC80-1-A, Chapter A, General Housing Characteristics**—Statistics on units at address, tenure, condominium status, number of rooms, persons per room, plumbing facilities, value, contract rent, and vacancy status are shown for some or all of the following areas or their equivalents: States, counties, county subdivisions, places of 1,000 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables contain housing characteristics by urban and rural residence.

**HC80-1-B, Chapter B, Detailed Housing Characteristics**—Statistics on units in structure, year moved into unit, year structure built, heating equipment, fuels, air-conditioning, source of water, sewage disposal, gross rent, and selected monthly ownership costs are shown for some or all of the following areas or their equivalents: States, counties, places of 2,500 or more inhabitants, SCSA's, SMSA's, urbanized areas, American Indian reservations, and Alaska Native villages. Selected tables show housing characteristics for rural and rural farm residence at the State and county level. Some subjects included in the HC80-1-A reports are also covered in this report in more detail.

**HC80-2, Volume 2, Metropolitan Housing Characteristics**—This volume presents statistics on most of the 1980 housing census subjects in considerable detail and cross-classification. Most statistics are presented by race and Spanish origin for areas with at least a specified number of the relevant population group. Data are shown for States or equivalent areas, SMSA's and their central cities, and other cities of 50,000 or more inhabitants.

There is one report for each SMSA and one report for each State and Puerto Rico. The set includes a U.S. Summary report showing these statistics for the United States and regions.

**HC80-3, Volume 3, Subject Reports**—Each of the reports in this volume focuses on a particular subject and provides highly detailed distributions and cross-classifications on a national, regional, and divisional level. Separate reports are issued on housing of the elderly, mobile homes, and American Indian households.

**HC80-4, Volume 4, Components of Inventory Change**—This volume consists of two reports presenting statistics on the 1980 characteristics of housing units which existed in 1973, as well as on newly constructed units, conversions, mergers, demolitions, and other additions and losses to the housing inventory between 1973 and 1980. These reports present data derived from a sample survey conducted in the fall of 1980. Data are presented for the United States and regions in report I. Report II has two parts: Part A presents data for that group of SMSA's (not individually identified)



with populations of 1 million or more at the time of the 1970 census, and part B presents data for that group of SMSA's (not individually identified) with populations of less than 1 million at the time of the 1970 census.

**HC80-5, Volume 5, Residential Finance**—This volume consists of one report presenting statistics on the financing of non-farm homeowner and rental and vacant properties, including characteristics of the mortgage, property, and owner. The statistics are based on a sample survey conducted in the spring of 1981. Data are presented for the United States and regions. Some data are presented by inside and outside SMSA's and by central cities.

**HC80-S1-1, Supplementary Reports**—These reports present statistics from the 1980 Census of Housing on general characteristics of housing units for the 50 States and the District of Columbia, counties, and independent cities.

### Evaluation and Reference Reports

**PHC80-E, Evaluation and Research Reports**—These reports present the results of the extensive evaluation program conducted as an integral part of the 1980 census. This program relates to such matters as completeness of enumeration and quality of the data on characteristics.

**PHC80-R, Reference Reports**—These reports present information on the various administrative and methodological aspects of the 1980 census. The series includes:

**PHC80-R1, Users' Guide**—This report covers subject content, procedures, geography, statistical products, limitations of the data, sources of user assistance, notes on data use, a glossary of terms, and guides for locating data in reports and tape files. The guide is issued in loose-leaf form and sold in parts (R1-A, B, etc.) as they are printed.

**PHC80-R2, History**—This report describes in detail all phases of the 1980 census, from the earliest planning through all stages to the dissemination of data and evaluation of results. It contains detailed discussion of 1980 census questions and their use in previous decennial censuses.

**PHC80-R3, Alphabetical Index of Industries and Occupations**—This report was developed primarily for use in classifying responses to the questions on the kind of business (industry) and kind of work (occupation) in which the respondent is engaged. The index lists approximately 20,000 industry and 29,000 occupation titles in alphabetical order.

**PHC80-R4, Classified Index of Industries and Occupations**—This report defines the industrial and occupational classification systems adopted for the 1980 Census of Population. It presents the individual titles that constitute each of the 231 industry and 503 occupation categories in the classification systems. The individual titles are the same as those shown in the Alphabetical Index. The 1980 occupation classification reflects the new U.S. Standard Occupational Classification (SOC). As in the past, the 1980 industry classification reflects the Standard Industrial Classification (SIC).

**PHC80-R5, Geographic Identification Code Scheme**—This report identifies the names and related geographic codes for each State, county, minor civil division, place, region, division, SCSA, SMSA, American Indian reservation, and Alaska Native village for which the Census Bureau tabulated data from the 1980 census.

### COMPUTER TAPES

#### Summary Tape Files

In addition to the printed and microfiche reports, results of the 1980 census also are provided on computer tape in the form of summary tape files (STF's). These data products have been designed to provide statistics with greater subject and geographic detail than is feasible or desirable to provide in printed and microfiche reports. The STF data are made available at nominal cost. The data are subject to suppression of certain detail where necessary to protect confidentiality.

There are five STF's (listed below), and the amount of geographic and subject detail presented varies. STF's 1 and 2 contain complete-count data, and STF's 3, 4, and 5 contain sample data. Note that the term "cells" used below refers

to the number of subject statistics provided for each geographic area, and the number of cells is indicative of the detail of the subject content of the file.

Each of the STF's generally consists of two or more files which provide different degrees of geographic detail and, in some cases, race/Spanish origin cross-classification. For each of the files there is a separate tape or tapes for each State, the District of Columbia, and Puerto Rico. Selected files (STF 1 and STF 3) are also produced for Guam, the Virgin Islands of the United States, American Samoa, and the Northern Mariana Islands and the remainder of the Trust Territory of the Pacific Islands. These tapes are issued on a State-by-State basis and are followed by a national summary tape for the particular file. More complete descriptions of the STF's than given in the summaries below can be found in the technical documentation of the specific file and in the PHC80-R1, *Users' Guide*.

**STF 1**—This STF provides 321 cells of complete-count population and housing data. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, congressional districts, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and blocks and block groups in blocked areas. The data include those shown in the PHC80-1, PHC80-3 (complete-count), and PC80-1-A reports.

**STF 2**—This STF contains 2,292 cells of detailed complete-count population and housing data, of which 962 are repeated for each race and Spanish origin group present in the tabulation area. Data are summarized for the United States, regions, divisions, States, SCSA's, SMSA's, urbanized areas, counties, county subdivisions, places of 1,000 or more inhabitants, census tracts, American Indian reservations, and Alaska Native villages. The data include those shown in the PHC80-2 (complete-count), PC80-1-B, and HC80-1-A reports.

**STF 3**—This STF contains 1,126 cells of data on various population and housing subjects collected on a sample basis. The areas covered are the same as in STF 1, excluding blocks. The data include those shown in the PHC80-3 (sample) reports.



**STF 4**—This STF is the geographic counterpart of STF 2, but the number of cells of data is greater (approximately 8,400). STF 4 provides data covering virtually all of the population and housing subjects collected on a sample basis, as well as some of the complete-count subjects. Some of the statistics are repeated for race, Spanish origin, and ancestry groups. Data are summarized for areas similar to those shown in STF 2, except that data for places are limited to those with 2,500 or more inhabitants. The data include those shown in the PHC80-2 (sample), PC80-1-C, and HC80-1-B reports.

**STF 5**—This STF contains over 100,000 cells of data on various population and housing subjects collected on a sample basis and provides detailed tabulations and cross-classifications for States, SMSA's, counties, cities of 50,000 or more inhabitants and central cities. Most subjects are classified by race and Spanish origin. The data include those shown in the PC80-1-D and HC80-2 reports.

### Other Computer Tape Files

**P.L. 94-171, Population Counts**—In accordance with Public Law (P.L.) 94-171, the Census Bureau provides population tabulations to all States for legislative reapportionment/redistricting. The file is issued on a State-by-State basis. It contains population counts classified by race and Spanish origin. The data are tabulated for the following levels of geography as applicable: States, counties, county subdivisions, incorporated places, census tracts, blocks and block groups in blocked areas, and enumeration districts in unblocked areas. For States participating in the voluntary program to define election precincts in conjunction with the Census Bureau, the data are also tabulated for election precincts.

### Master Area Reference Files 1 and 2 (MARF)

**MARF 1**—This geographic reference file is an extract of STF 1 designed for those who require a master list of geographic codes and areas, along with basic census counts arranged hierarchically from the State down to the block group and enumeration district levels and is issued on a State-by-State basis. The file contains records for States, counties, county subdivisions, places, census tracts, enumeration districts in unblocked areas, and block groups in blocked areas. Each record shows the total population by five race groups, population of Spanish origin, number of housing units, number of households, number of families, and a few other items.

**MARF 2**—This file is the same as the MARF 1 with the latitude and longitude coordinates for a representative point (centroid) in each block group (BG) or enumeration district (ED) outside block numbered areas.

**Geographic Base File/Dual Independent Map Encoding (GBF/DIME)**—These files are computer representations of the Metropolitan Map Series, including address ranges and ZIP Codes, which generally cover the urbanized portions of SMSA's. GBF/DIME files are used to assign census geographic codes to addresses (geocoding). The files are available by SMSA.

**Public-Use Microdata Samples**—Public-use microdata samples are computerized files containing most population and housing characteristics as shown on a sample of individual census records. These files contain no names or addresses, and geographic identification is sufficiently broad to protect confidentiality.

There are three mutually exclusive samples, the A sample including 5 percent of all persons and housing units, and the

B and C samples each including 1 percent of all persons and housing units. States and most large SMSA's will be identifiable on one or more of the files. Microdata files allow the user to prepare customized tabulations.

**Census/EEO Special File**—This file provides sample census data with specified relevance to EEO and affirmative action uses. The file contains two tabulations, one with detailed occupational data and the other with years of school completed by age. The data in both tabulations are crossed by sex, race, and Spanish origin. These data are provided for all counties, for all SMSA's, and for places with a population of 50,000 or more.

### MAPS

Maps necessary to define areas are generally published and included as part of the corresponding reports. Maps are published for Block Statistics (PHC80-1) and Census Tracts (PHC80-2), but must be purchased separately from the report. Maps necessary to define enumeration districts are available on a cost-of-reproduction basis.

### MICROFICHE

Some of the computer tape products are available on microfiche. The STF microfiche are issued for each State or Area and for the United States. These include:

**STF 1 Microfiche**—Data from STF 1 are presented in tabular form for all the STF 1 geographic levels described previously, except blocks.

**STF 3 Microfiche**—Data from STF 3 are presented in tabular form for all the STF 3 geographic levels.

**P.L. 94-171 Counts Microfiche**—The data from the P.L. 94-171 computer file are presented in a listing format.

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# 1980 Census of Population and Housing

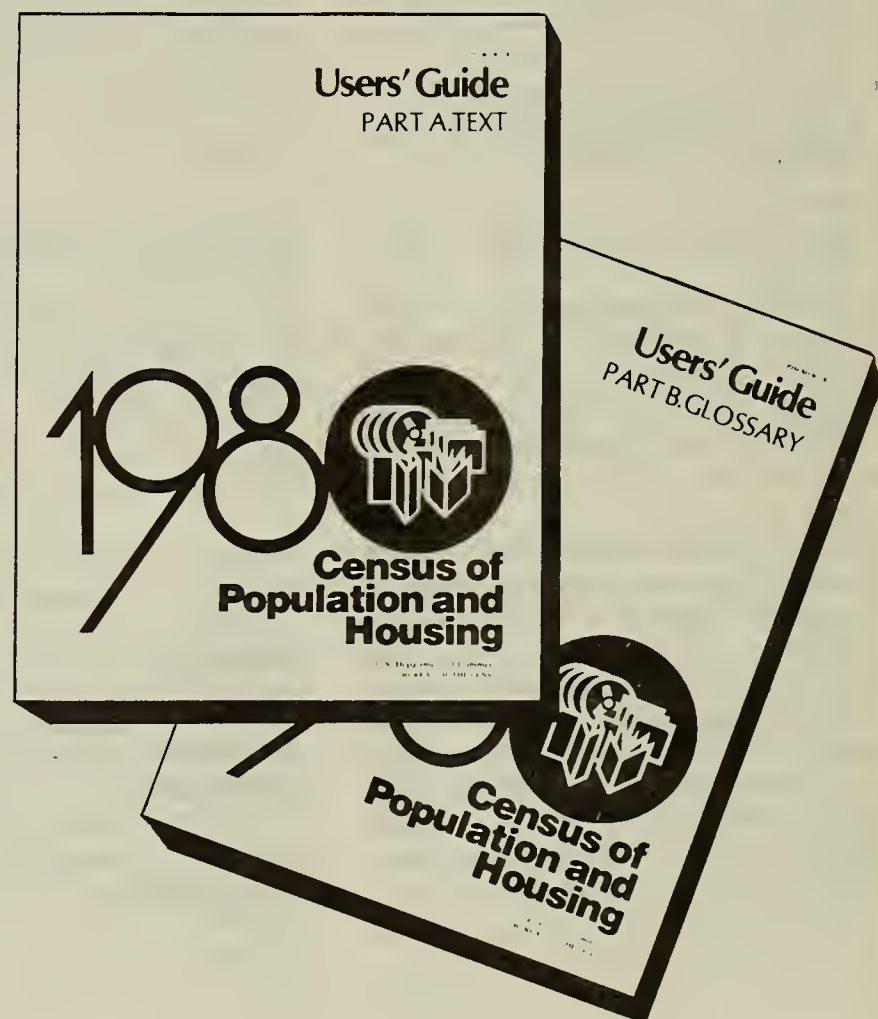
## Users' Guide

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The Users' Guide, a reference work on the 1980 census, is now available. It consists of:

- **Part A. Text**—Covers census data subjects; geographic considerations; reports, tapes, maps, and other products; services available to users; and many other topics central to understanding and using 1980 census data.
- **Part B. Glossary**—Provides detailed definitions of population, housing, geographic, and technical terms associated with the census—especially important for people using 1980 data on tape or microfiche.
- **Sources of Assistance**—Furnishes addresses and phone numbers of public and private sector organizations offering a variety of products and services, such as tape processing, area profiles, training, and reference assistance.
- **Updates**—Provide information on new developments relating to the 1980 census. Each update is keyed to the particular point in "Part A. Text" that needs revision.

Part C, a table finder, and Part D, a guide to tape contents, are planned for publication later.



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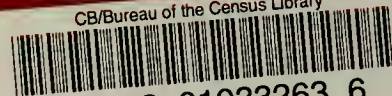








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